



KENNESAW STATE
UNIVERSITY

Double Owl Pathway of Study

Undergraduate Program Name: Exercise Science

Graduate Program Name: M.S. in Healthcare Management and Informatics

Double Owl Course Pairings:

Double Owl Scholars will not take 6 credit hours of Major Field Electives.

In their place, Double Owl Scholars will take HMI 7510 Introduction to Healthcare Management and Informatics and HMI 7520 Data Analytics vis SAS.

Double counted courses are highlighted below.

Year 1 - Fall (16 credits)	Credits	Year 1 - Spring (16 credits)	Credits
ENGL 1101 – Composition I [A1]	3	ENGL 1102 – Composition II [A1]	3
CHEM 1211 – Principles of Chemistry I* [D2]	3	CHEM 1212 – Principles of Chemistry II* [D2]	3
CHEM 1211L – Principles of Chemistry I Lab* [D2]	1	CHEM 1212L – Principles of Chemistry II Lab* [D2]	1
POLS 1101 – American Government [E1]	3	ECON 1000 – Contemporary Economic Issues [B1]	2
General Education – Quantitative [A2]	3	General Education – Applied Math [D1]	3
General Education – Cultural Perspectives [B2]	3	BIOL 2221 – Human Anatomy & Physiology I	3
		BIOL 2221L – Human Anatomy & Physiology I Lab	1
TOTAL SEMESTER CREDITS	16	TOTAL SEMESTER CREDITS	16
Year 2 - Fall (16 credits)	Credits	Year 2 - Spring (13 credits)	Credits
General Education – Literature of the World [C1]	3	General Education – World History [E3]	3
General Education – Arts & Culture of the World [C2]	3	General Education – Social Sciences [E4]	3
General Education – U.S. History [E2]	3	ES 2200 – Safety Training for the Fitness Professional	2
ES 2100 – Physical Activity in Health & Disease	3	ES 2300 – Medical Terminology	2
BIOL 2222 – Human Anatomy & Physiology II	3	ES 2500 – Principles of Nutrition	3
BIOL 2222L – Human Anatomy & Physiology II Lab	1		
TOTAL SEMESTER CREDITS	16	TOTAL SEMESTER CREDITS	13
Year 3 - Fall (15 credits)	Credits	Year 3 - Spring (14 credits)	Credits
ES 3600 – Health Fitness Management	3	ES 3700 – Strength & Conditioning	3
ES 3800 – Biomechanics	3	ES 3750 – Strength & Conditioning Lab	3
ES 3900 – Physiology of Exercise	3	ES 4500 – Physiology of Exercise II	3
Major Elective (1 of 5)	3	ES 4550 – Exercise Science Laboratory Techniques 1	1
Major Elective (2 of 5)	3	Major Elective (3 of 5)	3
		Free Elective	1
TOTAL SEMESTER CREDITS	15	TOTAL SEMESTER CREDITS	14
		Apply for Double Owl Status	
Year 4 - Fall (15 credits)	Credits	Year 4 - Spring (15 credits)	Credits
ES 4200 – Nutrition & Performance	3	Major Field Elective (5 of 5)	3
ES 4300 – Physiology of Exercise & Aging	3	ES 4600 – Exercise Prescription	3
Major Field Elective (4 of 5)	3	ES 4650 – Exercise Testing	3
HMI 7510 Introduction to Healthcare Management and Informatics	3	ES 4700 – Clinical Exercise Physiology	3
HMI 7520 Data Analytics vis SAS	3	ES 4900 – Exercise Science Senior Seminar	3
TOTAL SEMESTER CREDITS	15	TOTAL SEMESTER CREDITS	15

		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 EHR	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 (credits)	Credits	Year 5 - Summer (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: $120 + 36 - 6 = 150$

* Recommended General Education course