Undergraduate Program Name: B.S. in Integrated Health Science
Graduate Program Name: M.S. in Applied Statistics and Analytics

Pathway Description: IHS/MSASA

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 MSASA courses:
Upper Division Major Elective	STAT 7100 – Statistical Methods
Upper Division Major Elective	STAT 7020 – Statistical Computing and Simulation
Upper Division Major Elective	STAT 7XXX Grad Elective

Year 1 - Fall (15 credits)	Credits	Year 1 - Spring (16 credits)	Credits
ENGL 1101 – Composition I [A1]	3	ENGL 1102 – Composition II [A1]	3
POLS 1101 – American Government [E1]	3	General Education – Cultural Perspectives [B2]	3
STAT 1401 – Elementary Statistics [A2]	3	General Education- Science Processes (non-STEM) [D2]	3
ECON 1000 – Contemporary Economic Issues [B1]	2	General Education- U.S. History [E2]	3
General Education- Science Processes (non-STEM) [D2]	4	MATH 1190 - Calculus 1[D1]	4
TOTAL SEMESTER CREDITS	**15**	**TOTAL SEMESTER CREDITS**	**16**
Year 2 - Fall (15 credits)	Credits	Year 2 - Spring (18 credits)	Credits
General Education- U.S. History [E3]	3	General Education- Literature of the World [C1]	3
HS 2300- Cultural Competence in Human Services	3	General Education- U.S. History [E2]	3
WELL 2000- Foundations of Health & Wellness	3	General Education- Social Sciences [E4]	3
MATH 2202 - Calculus II (Lower-Division Elective; 1 of 3)	3	IHS 2100- Introduction to Health Sciences & Professions	3
Lower-Division Elective (2 of 3)	3	Major Elective Elective (1 of 6)	3
		Lower-Division Elective (3 of 3)	3
TOTAL SEMESTER CREDITS	**15**	**TOTAL SEMESTER CREDITS**	**18**
Year 3 - Fall (15 credits)	Credits	Year 3 - Spring (15 credits)	Credits
General Education- Arts & Culture of the World [C2]	3	ECON 3478 - Economics of Healthcare	3
COM 3320- Health Communication	3	HPE 3300 – Contemporary Health Issues	3
IHS 3240- Fundamentals of Behavioral Healthcare	3	SOCI 3380 - Society, Community, & Health	3
IT 3503- Foundations of Health Information Technology	3	Free Elective (2 of 4)	3
STAT 3125 – Biostatistics (Free Elective; 1 of 4)	3	Upper-Division Major Elective (2 of 6)	3
TOTAL SEMESTER CREDITS	**15**	**TOTAL SEMESTER CREDITS**	**15**
		Apply for Double Owl Status	
Year 4 - Fall (15 credits)	Credits	Year 4 - Spring (15 credits)	Credits
IHS 4545 – Healthcare Innovation	3	IHS 4760 – Integrated Health Science Capstone	3
IPE 4413 – Interprofessional Collaboration and Care	3	PHE 3330 -Health Systems & Health Policy	3
Free Elective (3 of 4)	3	Free Elective (4 of 4)	3
STAT 7100 – Statistical Methods (Upper-Division Major Elective; 3 of 6)	3	Upper-Division Major Elective (5 of 6)	3
STAT 7020 – Statistical Computing and Simulation (Upper-Division Major Elective; 4 of 6)	3	STAT 7XXX Grad Elective (Upper-Division Major Elective; 6 of 6)	3

TOTAL SEMESTER CREDITS	15	TOTAL SEMESTER CREDITS	15
		Apply to Graduate Program/Change to Graduate Status	
Year 5 - Fall (9 credits)	**Credits**	**Year 5 - Spring (8 credits)**	**Credits**
STAT 7010 – Mathematical Statistics I	3	STAT 8210 – Applied Regression Analysis	3
STAT 7XXX Grad Elective	**3**	STAT 8330 – Applied Binary Classification	3
STAT 8240 – Data Mining I	3	STAT 8120 – Applied Experimental Design	3
TOTAL SEMESTER CREDITS	**9**	**TOTAL SEMESTER CREDITS**	**9**
Year 6 - Fall (9 credits)	**Credits**	**Year 6 - Spring (credits)**	**Credits**
STAT 8250 – Data Mining II	**3**		
STAT 8940 – Applied Analysis Project	**3**		
STAT 8918 – Internship	**3**		
TOTAL SEMESTER CREDITS	**9**	**TOTAL SEMESTER CREDITS**	**0**

PATHWAY TOTAL: **156**