



Undergraduate Program Name: BS Biology
Graduate Program Name: MS Integrative Biology

Pathway Description: Undergraduate students following the 2022 catalog revision for the B.S. in Biology may follow this path towards the M.S. in Integrative Biology.

KENNESAW STATE UNIVERSITY

Course pairs:

Graduate course	Undergraduate Substitution	Credit Hours
BIOL 7200 – Integrative Biology	Upper-Level Elective	3
BIOL 7100 – Professional Aspects in Biology	Upper-Level Elective	3
BIOL 7990 – Thesis Research	BIOL 4400 – Directed Study	3

Year 1 - Fall (credits)	Credits	Year 1 - Spring (credits)	Credits
Area F BIOL 1107/L – Biol Principles I	4	Area D2 CHEM 1211/L – General Chem. I	4
Area B1 ECON 1000 – Economics	2	Area A1 ENGL 1102 – Composition II	3
SCM 2000 – Culture and Success in Science and Mathematics	3	Area F BIOL 1108/L – Biol Principles II	4
Area A2 MATH 1113 – Pre-calculus	3	Area D1 MATH 1190 – Calculus I	4
Area A1 ENGL 1101 – Composition I	3		
TOTAL SEMESTER CREDITS	15	TOTAL SEMESTER CREDITS	15
Year 2 - Fall (credits)	Credits	Year 2 - Spring (credits)	Credits
Area E1 POLS 1101 – American Government	3	CHEM 3361/L – Organic Chemistry I	4
CHEM 1212/L – General Chem. II	4	BIOL 3410 – Cell Biology	3
BIOL 3300/L – Genetics	4	PHYS 1111/L – Introduction to Physics I	4
STAT 3125 – Biostatistics (Or equivalent prerequisite for Ecology)	3	General Education Core C2	3
TOTAL SEMESTER CREDITS	14	TOTAL SEMESTER CREDITS	14
Year 3 - Fall (credits)	Credits	Year 3 - Spring (credits)	Credits
Upper-Level Concentration Requirement	4	BIOL 3370/L – Ecology	4
Area C1 elective	3	Upper-Level Biology Elective	4
PHYS 1112/L – Introduction to Physics II	4	Upper-Level Concentration Requirement	3
Area E3 elective	3	Area B2 Elective	3
TOTAL SEMESTER CREDITS	14	TOTAL SEMESTER CREDITS	14
Year 4 - Fall (credits)	Credits	Year 4 - Spring (credits)	Credits
BIOL 4399 – Seminar	1	Free Elective	3
Area C2 Elective	4	Free Elective	3
Area E4 Elective	4	BIOL 3110 Research Methods *	1
BIOL 3110 Research Methods *	3	Upper-Level Concentration Requirement	3

		Area E1 Elective	3
TOTAL SEMESTER CREDITS	12	TOTAL SEMESTER CREDITS	13
Year 5 - Fall (credits)	Credits	Year 5 - Spring (credits)	Credits
BIOL 7200 – Integrative Biology (subs Upper-Level Concentration Requirement)	3	BIOL 7300 – Research Methods Across Biology	4
BIOL 7100 – Professional Aspects in Biology (subs Upper-Level Concentration Elective)	3	BIOL 7500 – Current Topics in Integrative Biology	1
BIOL 7990 – Thesis Research (subs BIOL 4400 – Directed Study)	3	MS-Level Elective	4
TOTAL SEMESTER CREDITS	9	TOTAL SEMESTER CREDITS	9
Year 6 - Fall (credits)	Credits	Year 6 - Spring (credits)	Credits
MS-Level Elective	3	BIOL 7990 – Thesis Research	8
MS-Level Elective	3	BIOL 7999 – Master’s Thesis Defense	1
BIOL 7990 – Thesis Research	2	BIOL 6399 – Seminar	1
BIOL 6399 – Seminar	1		
TOTAL SEMESTER CREDITS	9	TOTAL SEMESTER CREDITS	9
PATHWAY TOTAL: 147			
* Highly recommended (will allow a student to commence work on thesis research early)			