



Term 1	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
17-116 OR 17-118 OR 17-117 OR 17-120	Mathematical Modeling OR Precalculus Algebra OR Precalculus OR Calculus I		3-4	
04-106/107	Principles of Biology & Lab		4	
77-101	University Seminar		1	
10-111	Composition I		3	
24-114/115	General Chemistry I & Lab		4	
Total Hours			15-16	
Term 2	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
04-114/115 OR 04-112/113	General Zoology & Lab OR General Botany & Lab	Principles of Biology & Lab	4	
10-112	Composition II	Composition I	3	
24-116/117	General Chemistry II & Lab	General Chemistry I & Lab	5	
	Social & Behavioral Sciences		3	
Total Hours			15	
Term 3	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
24-342/343 OR 24-242/242	Organic Chemistry I & Lab OR Organic Chemistry & Lab	General Chemistry II & Lab	4	FALL ONLY courses
04-114/115 OR 04-112/113	General Zoology & Lab OR General Botany & Lab	Principles of Biology & Lab	4	
29-102	Fundamentals of Oral Communication		3	
	Social & Behavioral Science		3	
Total Hours			14	
Term 4	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
04-348	Biological Evolution & Diversity	General Botany & Lab AND General Zoology & Lab	2	
04-350	Genetics	Principles of Biology & Lab	4	
25-110/111	General Physics I & Lab	Mathematical Modeling OR Precalculus OR Precalculus Algebra OR Calculus I	4	
17-114	General Statistics	ACT Math score of 22 or higher, high school GPA of 3.00 or higher OR concurrently with Strategies for General Statistics	3	
	Fine Art		3	
Total Hours			16	

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Term 5	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
04-140 OR 04-310	General Microbiology OR Cell Biology	Principles of Biology & Lab AND General Chemistry I & Lab AND General Chemistry II & Lab	4	Cell Biology Recommended prerequisite: Organic Chemistry I & Lab
04-376	Basic Ecology	General Botany & Lab AND General Zoology & Lab	4	FALL ONLY course
	Digital Literacy		3	
	Elective		3	
Total Hours			14	
Term 6	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
04-238 OR 04-330 OR 04-430 OR 04-438	Physiology Allied Health OR Animal Anatomy & Physiology OR Plant Physiology OR Human Physiology	Allied: Principles of Biology & General Chemistry & Lab OR General Chemistry I & Lab Animal: General Zoology & Lab AND General Chemistry I & Lab Plant: General Botany & Lab OR Cell Biology OR Genetics AND General Chemistry I & Lab Human: Cell Biology	4	Human Physiology recommends Medical Terminology and Anatomy Allied Health OR Comparative Anatomy OR Human Anatomy Animal A&P – SPRING ONLY course Plant Phys – SPRING EVEN ONLY course
04-420 OR	Environmental Issues OR BLOCK D ELECTIVE		4	Env – SPRING ONLY course See Block Electives List for options
	Humanities		3	
	Humanities		3	
10-220	Intro to Literature		3	
Total Hours			17	
Term 7	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
24-562/562	General Biochemistry & Lab OR BLOCK B ELECTIVE	Biochem: Organic Chemistry I & Lab	4	Biochem: FALL ONLY course See Block Electives List for options
	BLOCK C ELECTIVE		4	See Block Electives List for options
33-155 OR 33-156	The United States to 1877 OR The United States since 1877		3	
	Biology Elective from any Block		4	See Block Electives List for options
Total Hours			15	

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Term 8	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
	Biology Elective from any Block		4	See Block Electives List for options
	Elective		6	
04-491	Biological Science Seminar	Genetics	1	
	Civics		3	
Total Hours			14	

At least one course must be taken from each block to total at least 24 hours. **NOTE:** When selecting physiology and Block A, B, C and D courses, students need to pay attention to course numbered 300 and above. Improper selection can cause students to be below graduation requirements for upper division credit (40). Be sure to discuss you plan with your academic advisor.

Block A Electives – Choose 1-2 courses				
04-140	General Microbiology	Principles of Biology & Lab AND General Chemistry & Lab	4	
04-310	Cell Biology	Principles of Biology & Lab AN General Chemistry I & Lab AND General Chemistry II & Lab	4	
Block B Electives – Choose 1-3 courses				
04-330	Plant Physiology	General Botany & Lab OR Cell Biology OR Genetics AND General Chemistry I & Lab	4	SPRING EVEN ONLY course
04-438	Human Physiology	Cell Biology	4	Recommended Medical Terminology and Anatomy Allied Health OR Comparative Anatomy OR Human Anatomy
04-440	Molecular Biology	Genetics	4	SPRING ODD ONLY course Recommended General Microbiology AND Cell Biology
04-444	Immunology	General Microbiology AND Cell Biology	5	SPRING ONLY course
04-511	Techniques in Biotechnology	Genetics	4	FALL ODD ONLY course Recommended General Microbiology
24-322/323	Analytical Chemistry & Lab	General Chemistry II & Lab	4	FALL ONLY course
24-344/345	Organic Chemistry II & Lab	Organic Chemistry I & Lab	4	SPRING ONLY course
24-363/363	Elementary Biochemistry & Lab	Organic Chemistry I & Lab	4	SPRING ONLY course
24-562	General Biochemistry	Organic Chemistry I & Lab	3	FALL ONLY course
25-112/113	General Physics II & Lab	Mathematical Modeling OR Precalculus OR Precalculus Algebra OR Calculus I	4	

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Block C Electives – Choose 1-3 courses				
04-104	Medical Terminology		3	
04-312	Invertebrate Zoology	General Zoology & Lab	4	
04-330	Animal Anatomy & Physiology	General Zoology & Lab AND General Chemistry I & Lab	4	
04-362	Mammalogy	General Botany & Lab AND General Zoology & Lab	4	
04-364	Ornithology	General Botany & Lab AND General Zoology & Lab	4	
04-412	Plant Anatomy & Morphology	General Botany & Lab AND General Zoology & Lab	4	
04-418	Vertebrate Histology	Comparative Anatomy OR Human Anatomy	5	Recommended Cell Biology
04-436	Human Anatomy	General Zoology & Lab	4	Recommended Medical Terminology
04-460	Herpetology	General Zoology & Lab	4	
Block D Electives – Choose 1-3 courses				
03-382	Woody Landscapes	Plant Science OR General Botany & Lab	3	
04-261	Local Flora	General Botany & Lab	2	FALL ONLY course
04-351/353	Marine Science I: Oceanography & Lab	Principles of Biology & Lab AND General Chemistry I & Lab	5	SUMMER ONLY course Taught at GCRL in Mississippi
04-352/354	Marine Science II: Marine Biology & Lab	Principles of Biology & Lab AND General Botany & Lab AND General Zoology & Lab	5	SUMMER ONLY course Taught at GCRL in Mississippi
04-366	Entomology	General Botany & Lab AND General Zoology & Lab	3	FALL ONLY course
04-420	Environmental Issues	Principles of Biology & Lab AND General Chemistry I & Lab	4	SPRING ONLY course
04-474	Wildlife Management & Conservation	General Botany & Lab AND General Zoology & Lab AND Local Flora AND Basic Ecology	2	FALL ONLY course
04-435	Comparative Anatomy	General Zoology & Lab AND General Physics I & Lab OR Classical Physics I & Lab	5	FALL ONLY course
04-576	Methods in Plant & Animal Ecology	Basic Ecology	3	FALL ONLY course
32-365	Geographic Information Systems	Maps & Spatial Reasoning or Junior Standing	3	

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