

## DEPARTMENT OF BIOLOGICAL SCIENCES

ALBANY STATE UNIVERSITY

ALBANY, GA 31705

EFFECTIVE FALL 2017

## B.S. IN BIOLOGY (124 Semester Hours)

Name \_\_\_\_\_

RAM ID# \_\_\_\_\_

AREA A1: COMMUNICATION SKILLS (6 HRS)		Grd	Hr	AREA C Continued		Grd	Hr
ENGL 1101	English Composition I or		3	SPAN 1001	Elementary Spanish I		3
ENGL 1101H	English Composition I Honors		3	SPAN 1002	Elementary Spanish II		3
ENGL 1102	English Composition II or		3	SPAN 2001	Intermediate Spanish I		3
ENGL 1102H	English Composition II Honors		3	SPAN 2002	Intermediate Spanish II		3
*Minimum grade of "C" required in each course							
AREA A2: QUANTITATIVE SKILLS (3 HRS)							
MATH 1111	College Algebra		3				
MATH 1113	Pre-Calculus (Required)		3				
Algebra does not count for credit although you may be required to take it. Check with your advisor if you can be exempted from this requirement based on SAT or ACT test score. The prerequisite for pre-Calculus is MATH 1111.							
AREA B: INSTITUTIONAL OPTIONS (4 HRS)		Grd Hr		AREA D: Science, Math and Technology (11 HRS)		Grd	Hr
<b>SELECT ONE BELOW</b>				CHEM 1211K	Principles of Chemistry I		4
HIST 1002	Intro to African Diaspora		2	CHEM 1212K	Principles of Chemistry II		4
LEAD 1101	Leadership Development		2	<b>SELECT ONE BELOW</b>			
POLS 1105	Current World Problems		2	MATH 1211*	Calculus I		4
<b>SELECT ONE BELOW</b>				MATH 2411	Introduction to Statistics		3
COMM 1000	Cultural Diversity in Communication		2	<b>*STEM Majors if Calculus I taken one(1) credit can be applied in Area F</b>			
COMM 1100	Human Communication		3	<b>AREA E: Social Sciences (12 HRS)</b>			
COMM 1110	Public Speaking		3	POLS 1101 (Required)	American Government (Meets the Legislative Requirement)		3
AREA C: HUMANITIES/FINE ARTS/ETHICS (6 HRS)		Grd Hr		SELECT ONE BELOW			
<b>SELECT ONE BELOW</b>				HIST 1111	Survey of World History I		3
ENGL 2111	World Literature I or		3	HIST 1112	Survey of World History II		3
ENGL 2111H	World Literature I Honors		3	HIST 2111	Survey of U.S. History I		3
ENGL 2112	World Literature II or		3	HIST 2112	Survey of U.S. History II		3
ENGL 2112H	World Literature II Honors		3	<b>SELECT TWO BELOW</b>			
ENGL 2121	British Literature I		3	SOCI 2031***	Introduction to Anthropology		3
ENGL 2122	British Literature II		3	ECON 2105	Principles of Macroeconomics		3
ENGL 2131	American Literature I		3	GEOG 1101	Introduction to Human Geography		3
ENGL 2132	American Literature II		3	HIST 1111	Survey of World History I		3
ENGL 2141	African American Literature I		3	HIST 1112	Survey of World History II		3
ENGL 2142	African American Literature II		3	HIST 2111	Survey of World History I		3
<b>SELECT ONE BELOW</b>				HIST 2112	Survey of World History II		3
ARTS 1100	Art Appreciation		3	HIST 2131	Minorities in America		3
MUSC 1100	Music Appreciation		3	POLS 2101	Introduction to Political Science		3
THEA 1100	Theatre Appreciation		3	PSYC 1101**	General Psychology		3
				PSYC 1002**	Basic Skills in Behavioral Science		3
<b>SELECT FOREIGN LANGUAGE SEQUENCE BELOW (6 HRS)</b>				SOCI 1101**	Introduction to Sociology		3
FREN 1001	Elementary French I		3	SOCI 2282**	Social Basis of Human Behavior		3
FREN 1002	Elementary French II		3	**Due to recent changes to MCAT Pre-med students are advised to Choose PSYC 1101 or PSYC 1002; and/or SOCI 1101 OR SOCI 2282			
FREN 2001	Intermediate I		3	*** This course meets the legislative requirement that students complete coursework in the history of Georgia and the United States.			
FREN 2002	Intermediate II		3				
LATN 1001	Elementary Latin I		3				
LATN 1002	Elementary Latin II		3				
LATN 2001	Intermediate Latin I		3				
LATN 2002	Intermediate Latin II		3				

<b>B.S. IN BIOLOGY</b>						
				<b>Biology Electives (13 Hours) Select from list below</b> [Required: 2 credit hours at 1000/2000 level and 11 hours at 3000/4000 level]		
	<b>ABOVE THE CORE (3 HRS)</b>	<b>Grd</b>	<b>Hr</b>			
ASU 1101	First Year Experience		1	BIOL 2000	Foundation of Research 1	1
WELL, HEDP	Health & Wellness Requirement		2	BIOL 2001	Introduction to Research	2
The health & wellness requirement may be fulfilled by taking one-two (2) credit hour health or wellness course <b>OR</b> Two one (1) credit hour health or wellness activity courses.				BIOL 2240	Foundation of Research II	2
				BIOL 2250	Responsible Conduct of Research	2
<b>AREA F (18 Credit Hours REQUIRED)</b>		<b>Grd</b>	<b>Hr</b>	BIOL 2320K	Laboratory Research Techniques	3
BIOL 2107K	Principles of Biology I		4			
BIOL 2108K	Principles of Biology II		4	BIOL 2330	Principles of Epidemiology	3
PHYS 1111K	Introductory Physics I		4	BIOL 2411K	Human Anatomy & Physiology I	4
PHYS 1112K	Introductory Physics II		4	BIOL 2412K	Human Anatomy & Physiology II	4
BIOL 1801	Science Career Exploration		1	BIOL 2501	Introduction to Biomass	2
<b>NOTE:</b> If taken MATH 2411 (Introduction to Statistics) take One more course of one (1) credit from biology electives.				BIOL 2601	Introduction to Foodborne Diseases	3
				BIOL 3000K*	Fundamentals of Biotechnology	4
				BIOL 3103	Fundamentals of Bioenergy	3
<b>AREA G (39 Hours Required)</b>				BIOL 3201	Fundamentals of Public Health Nutrition	2
BIOL 3300K	General Botany		4	BIOL 3311K	Introduction to Natural Resources	3
BIOL 3101K	Environmental Biology		4	BIOL 3316K	Source/Use of Plant/Wildlife	3
BIOL 3333K	Microbiology Principles and Applications		4	BIOL 3320K	Principles/Tech in Water Resources Services	4
BIOL 3501K	Principles of Genetics		4	BIOL 3401K	Introduction to Histology	4
BIOL 4001	Research Independent Study 1		1	BIOL 3506*	Bioinformatics	3
BIOL 4222	Biology Senior Research		3	BIOL 3611K	Medical Mycology	4
BIOL 4701K	Cell and Molecular Biology		4	BIOL 3701*	Current Issues & Topics in Biotechnology	2
BIOL 3250K	Biochemistry		4	BIOL 3801	Environ. Health Concepts in Public Health	2
CHEM 2301K	Organic Chemistry I		4	BIOL 3901	Pathophysiology	3
CHEM 2302K	Organic Chemistry II		4	BIOL 4101K	General Physiology	4
PHYS 2100	Computer Applications <b>OR</b>		3	BIOL 4201K	Introduction to Parasitology	4
CSCI 1300	Introduction to Computer Science		3	BIOL 4223	Foundation of Research III	1
A total of 39 credits hours of 3000/4000 level are required in major. Therefore it is suggested that 11 credit hours biology elective Should be taken at 3000/4000 level.				BIOL 4301K	Developmental Biology	4
				BIOL 4401K	Comparative Vertebrate Anatomy	4
				BIOL 4501K	Immunology	4
				BIOL 4601K	Plant Physiology	4
				BIOL 4703K*	Genetic Engineering	4
				*Courses for Biotech Concentration. These courses will satisfy biology electives for BS in Biology		
<b>Non-Science Electives (3 Hours)+</b>			3			
	+Any Course other than Science Course			<b>BIOLOGY MINOR</b>		<b>Total Credit 18 Hours</b>
				BIOL 2107K	Principles of Biology I	4
				BIOL 2108K	Principles of Biology II	4
				<b>Upper Division – 10 hours (only one biology elective will be approved)</b>		
				BIOL 3101K	Environmental Biology	4
				BIOL 3300K	General Botany	4
				BIOL 3333K	Microbiology Principles and Applications	4
				BIOL 3501K	Principles of Genetics	4
				BIOL 3250K	Biochemistry	4
				BIOL 4001	Research and Independent Study I	1
				BIOL 4701K	Cell Molecular Biology	4
				2000 Level or Higher Biology Elective		2 to 3 credit hours only
<b>CPC REQUIREMENTS SATISFIED</b>		Yes	No			
<b>MAJOR EXIT (ACAT) Date Taken</b> _____				<b>Major minimum GPA required for graduation 2.25; My GPA</b> _____		