

Southern University and A&M College College of Sciences and Engineering – Department of Biological Sciences and Chemistry Degree: Bachelor of Science in Biology Degree Requirements: 120 Credit Hours Catalog Year: 2017 – 2020	Student's Name: Student's S#: Semester Entered SU: Date:
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First Year

	Course	Course Title	Credits	Semester Taken	Grade Earned	Transfer Institution	Course Notes
1st Semester	BIOL 108	General Biology I (Lecture and Lab)	4				
	CHEM 132	General Chemistry Lecture	3				Pre-requisites: MATH 135 or above
	CHEM 112	General Chemistry Lab	1				Co-requisite: CHEM 132
	MATH 140	Pre-Calculus II	3				Pre-requisite: MATH 135 or Placement Score; must pass with C or better
	ENGL 110	Freshman Composition I	3				Pre-requisite: Placement Score
	FRMN 110	Freshman Seminar I	1				
	TOTAL SEMESTER HOURS		15				

	Course	Course Title	Credits	Semester Taken	Grade Earned	Transfer Institution	Course Notes
2nd Semester	BIOL 109	General Biology II (Lecture and Lab)	4				Pre-requisite: BIOL 108
	CHEM 133	General Chemistry Lecture	3				Pre-requisite: CHEM 132
	CHEM 113	General Chemistry Lab	1				
	MATH 264	Calculus I	4				Pre-requisites: MATH 135 and 140 with a C or better
	ENGL 111	Freshman Composition II	3				Pre-requisite: ENGL 110
	FRMN 111	Freshman Seminar	1				Pre-requisite: FRMN 110
	TOTAL SEMESTER HOURS		16				

Second Year

1st Semester	Course	Course Title	Credits	Semester Taken	Grade Earned	Transfer Institution	Course Notes
	CHEM 230	Organic Chemistry Lecture I	3				Pre-requisites: CHEM 133/113
	CHEM 220	Organic Chemistry Lab I	1				Pre-requisites: CHEM 133/113
	PHYS 141	Elements of Physics	4				Pre-requisite: MATH 130 or higher
	BIOL 232	General Microbiology	4				Pre-requisites: CHEM 132/112, 133/112, 113; BIOL 108 and 109
	CMPS 290	Microcomputer Applications in Business	3				
	TOTAL SEMESTER HOURS		15				

	Course	Course Title	Credits	Semester Taken	Grade Earned	Transfer Institution	Course Notes
2nd Semester	CHEM 231	Organic Chemistry Lecture II	3				Pre-requisites: CHEM 230/220
	CHEM 221	Organic Chemistry Lab II	2				Pre-requisites: CHEM 230/220
	PHYS 142	Elements of Physics	4				Pre-requisites: PHYS 141 and MATH 130 or higher
	PSYC 210	Introduction to Psychology	3				
	ENGL 203	Literature Elective	3				Pre-requisites: ENGL 110, 111
	TOTAL SEMESTER HOURS		15				

Third Year							
1st Semester	Course	Course Title	Credits	Semester Taken	Grade Earned	Transfer Institution	Course Notes
	CHEM 340	General Biochemistry Lecture	3				Pre-requisites: CHEM 231
	CHEM 342	General Biochemistry Lab	1				Pre-requisites: CHEM 231
	BIOL 350	Genetics	4				Pre-requisites: CHEM 132/113, 133/113; BIOL 108, 109
	BIOL XXX	Biology Elective*	4				
		Foreign Languages Sequence I	3				
	TOTAL SEMESTER HOURS		15				
2nd Semester	Course	Course Title	Credits	Semester Taken	Grade Earned	Transfer Institution	Course Notes
	BIOL XXX	Biology Elective*	4				
	BIOL XXX	Biology Elective*	4				
	HIST XXX	History Elective	3				
	HLTH/PHED	Health/Physical Ed Elective	2				
		Foreign Language Sequence II	3				
	BIOL 300	Principles of Research	1				Pre-requisite: BIOL 108, 109
	TOTAL SEMESTER HOURS		17				
Fourth Year							
1st Semester	Course	Course Title	Credits	Semester Taken	Grade Earned	Transfer Institution	Course Notes
	BIOL 402	Cell and Molecular Biology (Lecture and Lab)	4				Pre-requisites: BIOL 232, CHEM 230, 231
	BIOL 403	Seminar	1				Junior Standing
	HIST XXX	History Elective	3				
		Humanities Elective	3				Select from: PHIL 200, 210 or HUMN 241, 242, 244, or 366
	SVLR 400	Service Learning	3				
	TOTAL SEMESTER HOURS		14				
2nd Semester	BIOL XXX	Physiology Electives	4				Select from: BIOL 305, 412, 433,442
	BIOL 409	Introduction to Biostatistics	3				Pre-requisite: MATH 140 or equivalent
		Social Science Elective	3				
		Art Elective	3				ARTS 200 or MUSC 200
	TOTAL SEMESTER HOURS		13				

* Biology Elective: Two of the three biology electives must be at the 300 level or above. Biology majors CANNOT use BIOL 104, 105, 107, 223, 230, 231, 238, or 239 for degree credit.

Other Graduation Requirements:

Writing Proficiency taken in ENGL 111 unless transferred ENGL 111 then Writing Proficiency must be scheduled;

Students must pass Departmental Comprehensive; 3 Credit Hours of African American Experience (ENGL 203); See Advisor about Service Learning Requirement. **Students are required to earn a grade "C" or better in all biology, chemistry, mathematics, physics and English courses.**

Student cumulative GPA must be a 2.0 or higher.

STUDENTS ARE REQUIRED TO MEET WITH THEIR ADVISOR PRIOR TO REGISTRATION. SHOULD A STUDENT FAIL TO SECURE PROPER ADVISEMENT, THE UNIVERSITY WILL NOT BE HELD RESPONSIBLE.

CSE, 08/2017