Bachelor of Science

Biology Major Biomed Sci PreMed MKEAP

Major Code Bl21 Cr Hrs

Area 5B Fine Arts ART 110 "Art of Observation" Area 5C Global Competencies Modern language Area 5D Health and Wellness Suggested General Education Core 42 Requirements for MKEAP BIO 100 Freshman Seminar** Required Courses - Biomedical Sciences Core 83 BIO 110 Principles of Biology I BIO 111 Principles of Biology II BIO 210 Molecular Cell Biology 48 BIO 231 General and Medical Microbiology 59 BIO 301 Human Physiology BIO 305 Genetics BIO 308 Pathophysiology BIO 201 Human Anatomy (5) OR BIO 331 Comparative Vertebrate Anatomy BIO 390 Research & Statistical Methods in Biology BIO 433 Histology BIO 433 Histology BIO 456 Immunology MATH 140 or MATH 150 5 cr hrs OR MATH 130/135 Alegbra & Trig (6 cr hrs) CHEM 151 General Chemistry I CHEM 302 Organic Chemistry II CHEM 304 Genemistry II CHEM 305 Biochemistry II CHEM 350 Biochemistry II CHEM 350 Biochemistry II CHEM 352 Biochemistry II CHEM 354 Biochemistry II CHEM 355 Elementary College Physics I With Lab PHYS 162 Elementary College Physics II BIO Electives see below for options (200 level or above) See list for applicable courses	• • • •	20404	
Area 1A Social & Behavioral Sciences PSY 100, SOC 110^A Area 1B Civics Engagement PSC 120^A Area 2A Written Communication Area 2B Oral Communication COMM 100^A Area 3A Natural Science Non-Lab (BIO 110 or CHEM 151) Area 3B Natural science With Lab (BIO 110 or CHEM 151) Area 3B Natural science With Lab (BIO 110 or CHEM 151 orPHYS 160) Area 4 Mathematics (MATH 140 or 150) Area 5A Humanities ENG 250, modern language^A Area 5B Fine Arts ART 110 "Art of Observation"^A Area 5C Global Competencies Modern language^A Area 5D Health and Wellness *Suggested General Education Core 42 Requirements for MKEAP BIO 100 Freshman Seminar** Required Courses - Biomedical Sciences Core BIO 110 Principles of Biology II BIO 210 Molecular Cell Biology BIO 231 General and Medical Microbiology BIO 301 Human Physiology BIO 305 Genetics BIO 308 Pathophysiology BIO 309 Research & Statistical Methods in Biology BIO 390 Research & Statistical Methods in Biology BIO 436 Immunology MATH 140 or MATH 150 5 or hrs OR MATH 130/135 Alegbra & Trig (6 or hrs) CHEM 151 General Chemistry I CHEM 301 Organic Chemistry I CHEM 302 Organic Chemistry I CHEM 303 Biochemistry I CHEM 304 Circle Sciences Core Sciences CHEM 305 Chemistry I CHEM 305 Elementary College Physics I With Lab BIO Electives see below for options (200 level or above) See list for applicable courses			
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See list for applicable courses		Electives see below for options (200 level or above)	4
! !		blicable courses	
			120

^{*}Required courses in Biology, Chemistry/Physics and Math meet Gen Ed Core 42 Areas 3,4 (10 hours)

^{**}Degree Requirement H: BIO 100 is specific to the MKEAP program (also met by HNRS 101 or UE 100)

^{***}MKEAP students will participate in international study experiences. Topics may vary as well as the specific semester in which an international opportunity is offered. Students may apply for travel grants for this course; travel grants are not guaranteed and students will be responsible for paying expenses. If a student cannot participate in an international study course, an alternate global experience must be approved as part of the curriculum.