

Block Curriculum of Biology Department (2023 – 2028)

NO	Code of Course	Courses	Cre-dit (credits)	Prerequist
SEMESTER I				
1	SM234101	Kalkulus 1 <i>Calculus 1</i>	3	
2	SF234204	Fisika Dasar <i>Basic Physics</i>	3	
3	SB234101	Biologi <i>Biology</i>	2	
4	SB234102	Biologi eksperimen** <i>Experimental Biology**</i>	2	
5	SB234103	Oseanografi** <i>Oceanography**</i>	3	
6	SB234104	Ekologi 1** <i>Ecology 1**</i>	3	
7	SB234105	Biosafety** <i>Biosafety**</i>	2	
		Total credit	18	

NO	Code of Course	Courses	Cre-dit (credits)	Prerequist
SEMESTER II				
1	SK234102	Kimia <i>Chemistry</i>	3	
2	SB234201	Biokimia** <i>Biochemistry**</i>	4	Biology
3	SB234202	Struktur Tumbuhan** <i>Plant Structure**</i>	4	Biology
4	SB234203	Struktur Hewan** <i>Animal Structure**</i>	4	Biology
5	SB234204	Mikrobiologi** <i>Microbiology**</i>	3	Biology
		Total credit	18	

SEMESTER III

SEMESTER IV

1	SB234301	Genetika** <i>Genetics**</i>	4	Biochemistry
2	SB234302	Biologi Sel <i>Cell Biology</i>	3	Biochemistry
3	SB234303	Perkembangan Tumbuhan** <i>Plant Development**</i>	4	Plant Structure
4	SB234304	Perkembangan Hewan** <i>Animal Development**</i>	4	Animal Structure
5	SB234305	Biodiversitas <i>Biodiversity</i>	3	Ecology 1
6	SB234306	Teknik Analisis Mikrobia** <i>Techniques for Microbial Analysis**</i>	3	Microbiology
		Total credit	21	

1	SB234401	Biologi Molekuler** <i>Molecular Biology**</i>	3	Cell Biology
2	SB234402	Sistematika Tumbuhan** <i>Plant Systematics**</i>	4	Plant Structure
3	SB234403	Sistematika Hewan** <i>Animal Systematics**</i>	4	Animal Structure
4	SB234404	Ekologi 2** <i>Ecology 2**</i>	4	Ecology 1
5	SB234405	Sistematika Mikrobia** <i>Microbial Systematics**</i>	3	Microbiology
6	SB234406	Biologi Konservasi** <i>Conservation Biology**</i>	3	Biodiversity
		Total credit	21	

SEMESTER V

1	SB234501	Mikrobiologi Lingkungan**	3	Microbiology
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SEMESTER VI

1	UG234914	Bahasa Inggris	2	
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		<i>Environmental Microbiology**</i>		
2	SB234502	Biologi Laut** <i>Marine Biology**</i>	4	Biodiversity
3	SB234503	Fisiologi Tumbuhan** <i>Plant Physiology**</i>	4	Plant Development
4	SB234504	Fisiologi Hewan** <i>Animal Physiology**</i>	4	Animal Development
5	SB234505	Metodologi penelitian & Biostatistika** <i>Research Methods & Biostatistics**</i>	3	All compulsory courses sem I-IV
6	SB234506	Evolusi <i>Evolution</i>	2	Genetics
		Total credit	20	

		<i>English</i>		
2	UG234915	Kewirausahaan Berbasis Teknologi <i>Technopreneurship</i>	2	
3	UG234912	Bahasa Indonesia <i>Indonesian</i>	2	
4	UG234911	Pancasila <i>Pancasila</i>	2	
5	SB234601	Bioteknologi** <i>Biotechnology</i>	4	Molecular Biology
6	SB234602	Biomonitoring** <i>Biomonitoring**</i>	3	Ecology 2
7		MK Pengayaan (lintas prodi)* <i>Enrichment courses</i>	2	
8		Mata Kuliah Pilihan <i>Elective courses</i>	3	
		Total credit	20	

SEMESTER VII

SEMESTER VIII

1	UG234916	Aplikasi Teknologi & Transformasi Digital <i>Applied Technology & Digital Transformation</i>	3		1	SB234801	Tugas Akhir <i>Final Project</i>	6	Already through 138 credit; GPA ≥ 2 ; passed TOEFL
2	UG234901	Agama <i>Islamic/Christian/Catholic/Hindu/Buddhis/Konghucu Studies</i>	2						
3	UG234913	Kewarganegaraan <i>Civils</i>	2						
4	SB234701	Kerja Praktek <i>Practical Work</i>	2	Already through 90 credits					
5	SB234702	Seminar <i>Seminar</i>	2	Already through 118 credits					
6		<i>Elective Courses</i>	9						
		Total credit	20				Total credit	6	

Notes :

* : Enrichment Courses

** : Course with experiment

Total credit all courses

144