

Human Biology (4 academic years, 240 ECTS, Bachelor of Science)

Semester	Mathematics	Science	History	Language Arts	Physical Education	Art	Music	Health	Electives
1st	Algebra I	Biology	World History	English I	Physical Education	Art	Music	Health	Electives
2nd	Geometry	Chemistry	U.S. History	English II	Physical Education	Art	Music	Health	Electives
3rd	Algebra II	Physics	World History	English III	Physical Education	Art	Music	Health	Electives
4th	Calculus	Biology	U.S. History	English IV	Physical Education	Art	Music	Health	Electives

A/A	Course type	Course title	Course code	Periods per week	Period duration	Number of weeks/ Semester	Total periods/ Semester	Number of ECTS
A' Semester								
1.	R	General Biology I	BIOL-101	5	50'	13	65	6
2.	R	General Chemistry	CHEM-105	5	50'	13	65	6
3.	R	Calculus for the Life Sciences I	MATH-192	3	50'	13	39	6
4.	R	Element of Physics	PHYS-110	3	50'	13	39	6
5.	R	General Psychology I	PSY-110	3	50'	13	39	6
B' Semester								
6.	R	General Biology II	BIOL-102	5	50'	13	65	6
7.	R	Human Nutrition	BIOL-221	3	50'	13	39	6
8.	R	Physical Chemistry	CHEM-135	5	50'	13	65	6
9.	R	English Composition	ENGL-101	3	50'	13	39	6
10.	R	Calculus for the Life Sciences II	MATH-193	3	50'	13	39	6

C' Semester								
11.	R	Cell Biology	BIOL-201	3	50'	13	39	6
12.	R	Human Anatomy and Physiology I	BIOL-205	5	50'	13	65	6
13.	R	Human Evolution	BIOL-207	3	50'	13	39	6
14.	R	Biostatistics	BIOL-231	3	50'	13	39	6
15.	R	Human Molecular Genetics	BIOL-232	3	50'	13	52	6
D' Semester								
16.	R	Organic Chemistry	CHEM-245	5	50'	13	65	6
17.	R	Human Anatomy and Physiology II	BIOL-206	5	50'	13	65	6
18.	R	Immunology	BIOL-251	3	50'	13	39	6
19.	R	Introduction to Microbiology and Virology	BIOL-251	6	50'	13	78	6
20.	Gen E	General Psychology II	PSY-111	3	50'	13	39	6
E' Semester								
21.	R	Development Biology and Human Embryology	BIOL-301	7	50'	13	91	8
22.	R	Molecular Biology	BIOL-311	7	50'	13	91	8
23.	R	Biochemistry I	BIOL-321	4	50'	13	52	8
24.	Gen E	World History to 1500	*HIST-201	3	50'	13	39	6
*or theme elective (See Year 4-Fall for courses offered)								

F' Semester								
25.	R	Human Biological Variation	BIOL-303	3	50'	13	39	6
26.	R	Biochemistry II	BIOL-322	7	50'	13	91	8
27.	R	Drug Action and Toxicology	BIOL-371	4	50'	13	52	8
28.	R	Molecular Basis to Health and Disease	BIOL-323	4	50'	13	52	8

G' Semester								
29.	R	Research Project I	*BIOL-491	3	50'	13	39	6
30.	HB E	Bioethics	*BIOL-431	3	50'	13	39	6
31.	E	Cell Growth and Cancer	BIOL-414	3	50'	13	39	6
32.	E	Cell Signalling	BIOL-423	3	50'	13	39	6
33.	E	Viruses and Human Diseases	BIOL-423	3	50'	13	39	6
34.	E	Ecology	BIOL-492	3	50'	13	39	6
35.	HB E	Health Care Systems	BIOL-312	3	50'	13	39	6

*Registration for BIOL-491 requires a CPA>1.85 and no lower.

H Semester								
36.	R	Research Project II	BIOL-492		50'	13		10
37.	R	Bioanalytical Techniques and Instrumentation	BIOL-312	4	50'	13	52	8
38.	R	Modern Genomics and Bioinformatics	BIOL-412	4	50'	13	52	6
39.	HB E	Cellular Neuroscience	BIOL-461	4	50'	13	52	6
40.	HB E	Epidemiology	BIOL-443	4	50'	13	52	6
41.	HB E	Public Health Nutrition	BIOL-444	4	50'	13	52	6
42.	HB E	Environmental Health	BIOL-451	3	50'	13	52	6