

BIOMEDICAL SCIENCES

(4 YEARS, BSC BACHELOR OF SCIENCE)



DEGREE REQUIREMENTS

All students pursuing “Biomedical Sciences” program must complete the following requirements:

	ECTS
YEAR 1	60
YEAR 2	60
YEAR 3	60
YEAR 4	60
Total ECTS	240

YEAR 1

SEMESTER 1

CODE	COURSE TITLE	ECTS
BMS 100	Introduction to Human Biology	6
BMS 105	Calculus	6
BMS 110	General and Inorganic Chemistry	6
BMS 115	Laboratory Calculations in Biomedical Sciences	6
EHL 102	English for Health Sciences III	6
Total ECTS		30

SEMESTER 2

CODE	COURSE TITLE	ECTS
BMS 120	Organic Chemistry	6
BMS 130	Anatomy-Physiology I	6
BMS 135	Cell Biology	6
BMS 140	Physics for Biomedical Sciences	3
BMS 145	Applied Biostatistics	6
HLS 100	Academic Skills	3
Total ECTS		30

YEAR 2

SEMESTER 3

CODE	COURSE TITLE	ECTS
BMS 200	Anatomy-Physiology II	6
BMS 205	Basic Epidemiology	6
BMS 210	Molecular Biology	6
BMS 220	Biochemistry I	6
BMS 225	Biotechnology	6
Total ECTS		30

SEMESTER 4

CODE	COURSE TITLE	ECTS
BMS 230	Biochemistry II	6
BMS 235	Histology	6
BMS 240	Introduction to Genetics	6
BMS 245	Developmental Biology and Embryology	6
BMS 250	Bioethics and Scientific Integrity	6
Total ECTS		30

YEAR 3

SEMESTER 5

CODE	COURSE TITLE	ECTS
BMS 300	Human Microbiome and its Implications in Health & Disease	6
BMS 305	General Microbiology	6
BMS 310	Medical Genetics	6
BMS 315	Basic Immunology	6
Free Elective		6
Total ECTS		30

SEMESTER 6

CODE	COURSE TITLE	ECTS
BMS 320	Bioinformatics	6
BMS 330	Clinical Immunology & Hematology	6
BMS 335	Cancer Biology	6
BMS 340	Drugs and Disease	6
HEA 190	Research Methodology in Health Sciences	6
Total ECTS		30

YEAR 4

SEMESTER 7

CODE	COURSE TITLE	ECTS
BMS 400	Undergraduate Thesis I	6
BMS 405	Systems Biomedicine	6
BMS 410	Clinical Chemistry	6
BMS 420	Placement	6
Free Elective		6
Total ECTS		30

SEMESTER 8

CODE	COURSE TITLE	ECTS
BMS 425	Undergraduate Thesis II	6
BMS 430	Pathobiology & Precision Medicine	6
BMS 435	Medical Microbiology	6
BMS 440	Proactive Aging and Regenerative Medicine	6
Free Elective		6
Total ECTS		30