

AUTONOMOUS UNIVERSITY OF NUEVO LEON / COLLEGE OF BIOLOGICAL SCIENCES
COMPETENCE STUDY PLAN OF THE EDUCATIVE PROGRAM OF GENOMIC BIOTECHNOLOGY

1° Semester	2° Semester	3° Semester	4° Semester	5° Semester	6° Semester	7° Semester	8° Semester	9° Semester	10° Semester
2 Communication competencies Ob ACFGU	2 Selected topics for social sciences, art and humanities: Art appreciation Ob ACFGU	2 Selected topics of social sciences, arts, and humanity: alternative dispute resolutions Op ACFGU	2 Professional socialization Ob ACFGU	2 Environment and sustainability Ob ACFGU	2 Selected topics for foreign culture and languages english culture Op ACFGU	2 Bio safety Ob ACFBP	3 Elective ACFP III Elective ACFP IIIa Op ACFP	2 Professional social ethics Ob ACFGU	22 Elective ACLE, Op
2 IT applications Ob ACFGU	4 Elective ACFBP I Op ACFBP	4 lective ACFBP III Elective ACFBP IIIa Op ACFBP	3 Immunology Ob ACFP	2 Selected topics for academic and professional development: the scientific method Ob ACFGU	4 Functional genomics Ob ACFP	3 Fundamental ecology Ob ACFBP	3 Elective ACFP IV Elective ACFP IVa Op ACFP	4 Molecular medicine Ob ACFP	
2 Selected topics for human development, health and sports: quality culture Op ACFGU	3 Instrumental Analysis Ob ACFBP	3 Elective ACFBP IV Elective ACFBP IVa Op ACFBP	3 Plant anatomy and physiology Ob ACFP	3 Animal anatomy and physiology Ob ACFP	4 Comparative genomics Ob ACFP	3 Proteomics Ob ACFP	3 Elective ACFP V Elective ACFP Va Op ACFP	16 Social service SS_Ob	
4 General chemistry Ob ACFBP	3 Biostatistics Ob ACFBP	4 Genetics Ob ACFBP	3 Molecular Biology Ob ACFBP	4 Genetic engineering Ob ACFP	3 Elective ACFP I Elective ACFP Ia Op ACFP	4 Molecular virology Ob ACFP	3 Elective ACFP VI Elective ACFP VIa Op ACFP		
4 Calculus and linear algebra Ob ACFBP	4 Biochemistry I Ob ACFBP	3 Biochemistry II Op ACFBP	3 Nano biotechnology Ob ACFP	3 Bioinformatics and simulations Ob ACFP	3 Livestock biotechnology Ob ACFP	3 Pharma genomics Ob ACFP	3 Elective ACFP VII Elective ACFP VIIa Op ACFP		
4 Evolution and systematics Ob ACFBP	3 Bioinformatics and programming Ob ACFP	3 Cell biology Ob ACFBP	4 Bioinformatics Ob ACFP	4 Experimental design Ob ACFP	3 Molecular diagnosis Ob ACFP	4 Industrial biotechnology Ob ACFP	3 Elective ACFP VIII Elective ACFP VIIIa Op ACFP		
4 Bioethics Ob ACFP	3 Elective ACFBP II Elective ACFBP IIa Op ACFBP	4 General Microbiology Ob ACFP	4 Basic techniques on nucleic acid manipulation Ob ACFP	4 Structural genomics Ob ACFP	3 Agricural biotechnology Ob ACFP	3 Elective ACFP II Elective ACFP IIa Op ACFP	4 Elective ACFP IX Elective ACFP IXa Op ACFP		
22 c	22 c	22 c	22 c	22 c	22 c	22 c	22 c	22 c	
Simbología									
	ACFGU= General studies				ACFP= Professionals			Elective=	Op
	ACFBP= Basic Professional				ACLE= Elective Studies			Mandatory=	Ob
	SS= Social service							UANL Credits 30 hrs=	C