

BIOCHEMISTRY DEGREE

Centre [\(see\)](#)

ECTS CREDITS	
Basic training (FB)	60
Compulsory (OB)	138
Optional (OP)	24
End-of-degree Project (TFG)	18
Total	240



CLICK ON THE CODE OF EACH SUBJECT TO ACCESS THE COURSE HANDBOOK

FIRST YEAR

Code	Subject	Credits	Type	Semester
18201	CHEMISTRY	6	FB	1
18202	BASIC PRINCIPLES OF BIOLOGY	6	FB	1
18203	CELLS, TISSUES AND ORGANS	6	FB	1
18204	PHYSICS	6	FB	1
18205	MATHEMATICS	6	FB	1
18206	ORGANIC CHEMISTRY	6	FB	2
18207	GENES AND EVOLUTION	6	FB	2
18208	INTRODUCTION TO MICROBIOLOGY	6	FB	2
18209	APPLIED STATISTICS	6	FB	2
18210	BASIC PRINCIPLES OF BIOCHEMISTRY	6	FB	2

SECOND YEAR

Code	Subject	Credits	Type	Semester
18211	METHODS IN BIOCHEMISTRY	6	OB	1
18212	PHYSICAL BIOCHEMISTRY	6	OB	1
18213	STRUCTURE OF MACROMOLECULES	6	OB	1
18214	EXPERIMENTAL BIOCHEMISTRY I	6	OB	1
18215	PHYSIOLOGY I	6	OB	1
18216	FUNCTION OF MACROMOLECULES	6	OB	2
18217	MOLECULAR GENETICS AND GENETIC ENGINEERING	6	OB	2
18218	BIOMEMBRANES, TRANSPORT AND BIOENERGETICS	6	OB	2
18219	EXPERIMENTAL BIOCHEMISTRY II	6	OB	2
18220	PHYSIOLOGY II	6	OB	2

THIRD YEAR

Code	Subject	Credits	Type	Semester
<u>18221</u>	CELL ORGANIZATION AND CONTROL I	6	OB	1
<u>18222</u>	METABOLISM AND METABOLIC REGULATION	6	OB	1
<u>18223</u>	BIOSYNTHESIS OF MACROMOLECULES	6	OB	1
<u>18224</u>	MOLECULAR BASIS OF PATHOLOGY I	6	OB	1
<u>18225</u>	ADVANCED EXPERIMENTAL BIOCHEMISTRY I	6	OB	1
<u>18226</u>	CELL ORGANIZATION AND CONTROL II	6	OB	2
<u>18227</u>	MOLECULAR BASIS OF PATHOLOGY II	6	OB	2
<u>18228</u>	IMMUNOLOGY	6	OB	2
<u>18229</u>	ADVANCED EXPERIMENTAL BIOCHEMISTRY II	6	OB	2
<u>18230</u>	VIROLOGY	6	OB	2

FOURTH YEAR

Code	Subject	Credits	Type	Semester
<u>18231</u>	BIOINFORMATICS AND MOLECULAR SYSTEMS BIOLOGY	6	OB	1
<u>18232</u>	BIOCHEMISTRY AND SOCIETY	6	OB	1
<u>18233</u>	DESIGN AND EXECUTION OF PROJECTS	6	OB	1
	OPTIONAL	12	OP	1
<u>18234</u>	END-OF-DEGREE PROJECT	18	TFG	2
	OPTIONAL	12	OP	2

OPTIONAL SUBJECTS

ROUTE: MOLECULAR BIOMEDICINE

Code	Subject	Credits	Type	Semester
<u>18235</u>	CLINICAL MICROBIOLOGY	6	OP	1
<u>18236</u>	GENOME AND DISEASE	6	OP	1
<u>18237</u>	EXPERIMENTAL MODELS IN MOLECULAR BIOMEDICINE	6	OP	1
<u>18238</u>	HEALTH BIOTECHNOLOGY	6	OP	2

ROUTE: MOLECULAR BIOLOGY APPLICATIONS

Code	Subject	Credits	Type	Semester
<u>18239</u>	DEVELOPMENTAL BIOLOGY	6	OP	1
<u>18240</u>	ENZYME BIOTECHNOLOGY	6	OP	1
<u>18242</u>	GLYCOBIOLOGY	6	OP	1
<u>18241</u>	MICROBIAL BIOTECHNOLOGY	6	OP	2

COMMON TO ALL ROUTES

Code	Subject	Credits	Type	Semester
<u>18243</u>	MOLECULAR NEUROBIOLOGY	6	OP	1

Code	Subject	Credits	Type	Semester
<u>18245</u>	PROGRAMMING TOOLS IN BIOCHEMISTRY AND MOLECULAR BIOLOGY	6	OP	1
<u>18877</u>	EXTERNAL PRACTICAL	6	OP	1 or 2

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[Web page](#)