

## BIOCHEMISTRY DEGREE

### Institutional Accreditation



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

Centre ([see](#))



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

### FIRST YEAR

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

### SECOND YEAR

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

**CENTRE**

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