

## DOUBLE MAJOR IN BIOENGINEERING FOR BIOMEDICAL ENGINEERING STUDENTS

### First Semester

	Course Code	Course Name	C	L/P	C	ECTS
1	ECC107	Biology	3	0	3	5
<b>TOTAL</b>			<b>3</b>	<b>0</b>	<b>3</b>	<b>5</b>

### Second Semester

	Course Code	Course Name	C	L/P	C	ECTS
1	CHM211	Organic Chemistry	3	0	3	5
<b>TOTAL</b>			<b>3</b>	<b>0</b>	<b>3</b>	<b>5</b>

### Third Semester

	Course Code	Course Name	C	L/P	C	ECTS
1	ECC217	Microbiology	3	0	3	5
2	BIOE205	Principles of Ecology	3	0	3	5
3						
<b>TOTAL</b>			<b>6</b>	<b>0</b>	<b>6</b>	<b>10</b>

### Fourth Semester

	Course Code	Course Name	C	L/P	C	ECTS
1	BIOE202	Polymer Technologies	3	0	3	5
2	ECC432	Intro. to Thermodynamics	3	0	3	5
3	BIOE208	Genetics	3	0	3	5
4						
<b>TOTAL</b>			<b>9</b>	<b>0</b>	<b>9</b>	<b>15</b>

### Fifth Semester

	Course Code	Course Name	C	L/P	C	ECTS
1	BIOE301	Mass & Heat Transfer	3	0	3	5
<b>TOTAL</b>			<b>3</b>	<b>0</b>	<b>3</b>	<b>5</b>

### Sixth Semester

	Course Code	Course Name	C	L/P	C	ECTS
1	BIOE302	Bioenergy Resources	3	0	3	5
2	BIOE306	System Design on Bioeng.	3	0	3	5
3	BIOE304	Nanotechnology	3	0	3	5
<b>TOTAL</b>			<b>9</b>	<b>0</b>	<b>9</b>	<b>15</b>

### Seventh Semester

	Course Code	Course Name	C	L/P	C	ECTS
<b>TOTAL</b>						

### Eighth Semester

	Course Code	Course Name	C	L/P	C	ECTS
1	TE	Technical Elective from Bio.	3	0	3	5
2	TE	Technical Elective from Bio.	3	0	3	5
<b>TOTAL</b>			<b>6</b>	<b>0</b>	<b>6</b>	<b>10</b>

TOTAL	Contact Hs	Lab/Practice Hs	Credit	ECTS
	39	0	39	65