

Double Major Programs: Molecular Biology and Genetics / Physics

	MBG			MBG - PHYS			PHYS - MBG			PHYS		
	Courses	Credits	ECTS	Courses	Credits	ECTS	Courses	Credits	ECTS	Courses	Credits	ECTS
First semester	BIO 101	3	5	BIO 101	3	5	PHYS 101	4	8	PHYS 101	4	8
	BIO 111	1	1	BIO 111	1	1	CHEM 105	4	6	CHEM 105	4	6
	CHEM 103	3	7	CHEM 103	3	7	MATH 101	4	6	MATH 101	4	6
	CHEM 109	1	2	CHEM 109	1	2	S.English Elect.	3	8	S.English Elect.	3	8
	MATH 101	4	6	MATH 101	4	6						
	PHYS 101*	4	8	PHYS 101	4	8						
	16	29		16	29		15	28		15	28	
Second semester	BIO 102	3	5	BIO 102	3	5	PHYS 102	4	8	PHYS 102	4	8
	BIO 106	2	3	BIO 106	2	3	MATH 102	4	6	MATH 102	4	6
	CHEM 104	3	6	CHEM 104	3	6	S.Science Elect.	4	6	S.Science Elect.	4	6
	MATH 102	4	6	MATH 102	4	6	S.English Elect.	3	8	S.English Elect.	3	8
	PHYS 130*	4	7	PHYS 130	4	7						
	HSS	3	4	HSS	3	4						
	19	31		19	31		15	28		15	28	
Third Semester	BIO 201	3	3	BIO 201	3	3	BIO 101	3	5	PHYS 201	4	6
	BIO203/MATH 344	3	5	BIO203/MATH 344	3	5	BIO 201	3	3	PHYS 221	3	5
	CHEM 203	1	3	CHEM 203	1	3	PHYS 201	4	6	MATH 201	4	5
	CHEM 221	4	5	CHEM 221	4	5	PHYS 221	3	5	EC 101	3	6
	PHYS 201*	4	6	PHYS 201	4	6	MATH 201	4	5	HSS	3	6
	HIST105/HUM101*	3/4	5/6	MATH 201	4	5	EC 101	3	6	TK 221	2	3
	TK 221	2	3	HIST105/HUM101*	3/4	5/6	HSS	3	6			
		20/21	30/31	TK 221	2	3	TK 221	2	3			
				24/25	35/36		25	39		19	31	
Fourth Semester	BIO 252	3	6	BIO 252	3	6	PHYS 202	4	6	PHYS 202	4	6
	Bio 254	3	6	BIO 254	3	6	MATH 202	4	7	MATH 202	4	7
	MATH 201	4	5	MATH 202	4	7	EE 210	3	6	EE 210	3	6
	Computer Elect.	3	5	PHYS 202	4	6	EC 102	3	6	EC 102	3	6
	HIST105/HUM101*	3/4	5/6	HIST106/HUM102*	3/4	5/6	BIO 102	3	5	HSS	3	6
	TK 222	2	3	TK 222	2	3	BIO 252	3	6	TK 222	2	3
		18/19	30/31	CMPE Computer E	3	5	BIO 254	3	6			
				22/23	38/39	TK 222	2	3		19	34	
							25	45				
Fifth Semester	BIO 301	4	6	BIO 301	4	6	PHYS 301	3	6	PHYS 301	3	6
	BIO 331	3	6	BIO 333	3	6	PHYS 331	3	5	PHYS 331	3	5
	BIO 333	3	6	BIO 353	4	5	BIO 301 (distrb)	4	6	Phys.(opt)	3	6
	BIO 353	4	5	BIO 355	3	4	BIO 333 (distrb)	3	6	Phys.(distrb)	3	6
	BIO 355	3	4	PHYS 221	3	5	BIO 353 (option)	4	5	Unrest. Elective	3	6
	HTR 311	2	3	PHYS 301	3	6	BIO 355 (option)	3	4	HTR 311	2	3
		19	30	HSS	3	6	HTR 311	2	3			
			HTR 311	2	3					17	32	
				25	41		22	35				
Sixth Semester	BIO 302	4	6	BIO 302	4	6	BIO 310 (distrb)	4	6	PHYS 302	3	3
	BIO 308	1	2	BIO 308	1	2	PHYS 302	3	3	PHYS 380	3	5
	BIO 310	4	6	BIO 310	4	6	PHYS 380	3	5	Phys.(opt)	3	6
	BIO 322	1	2	BIO 322	1	2	Unrest. Elective	3	6	Phys.(distrb)	3	6
	BIO 342	3	6	BIO 342	3	6	HSS	3	6	Unrest. Elective	3	6
	HSS	3	5	PHYS 302	3	3	HTR 312	2	3	HTR 312	2	3
	HTR 312	2	3	PHYS 380 *****	3	5						
		18	30	HTR 312	2	3						
				21	33		18	29		17	29	
Seventh semester	BIO 403	1	2	BIO 331	3	6	BIO 331 (option)	3	6	PHYS 325	3	5
	BIO 407	2	3	BIO 403	1	2	BIO 407	2	3	PHYS 407	3	7
	BIO Elective	3	6	BIO 407	2	3	PHYS 325	3	5	Phys.(opt)	3	6
	COMP/BIO Elective	3	7	BIO Elective	3	6	PHYS 407	3	7	Phys.(distrb)	3	6
	Unrest. Elective	3	6	PHYS 311/407	3	7	Phys. Option	3	6	Unrest. Elective	3	6
	Unrest. Elective	3	6	PHYS Dept. Electiv	3	6	Unrest. Elective	3	6			
		15	30	HSS	3	6						
				18	36		17	33		15	30	
Eighth semester	BIO Elective	3	6	BIO Elective	3	6	BIO Elective	3	6	PHYS 408	3	6
	BIO Elective	3	6	Unrest.Elective	3	6	PHYS 408	3	6	PHYS 442	4	7
	COMP/BIO Elective	3	7	PHYS 312/325/337	3	5/6	PHYS 442	4	7	Phys.(opt)	3	6
	Unrest. Elective	3	6	PHYS Dept. Electiv	3	6	PHYS Dept. Elect.	3	6	Phys.(distrb)	3	6
	HSS	3	5	HSS	3	6	Unrest. Elective	3	6	Unrest. Elective	3	6
		15	30		15	29/30		16	31		16	31
							18	33		17/18	62	

TOTAL CREDITS: 140/142 : 240/242
OVERLOAD:

160/162 : 272/275
20

153 : 268
20

133 : 243