

Study plan

Degree: Bachelor **College:** Science **Plan hours:** 136
Semester: 383 **Department:** Botany and MBiorobiology **Plan type:** Fundamental
Version: 3 **Gender:** Both **Specialty:** MBiorobiology

Department council No.:
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Group 1: mandatory							
Level 1							
Code	Name	P	GR	LR	HR	Required	An
100 Eng	English Language	6	-	-	-	-	-
100 Arab	Writing skills	2	-	-	-	-	-
101 CT	Computer skills	3	-	-	-	-	-
101 Ent	Entrepreneurship	1	-	-	-	-	-
101 Math	Differential calculation	3	-	-	-	-	-
Total							15

Group 1: mandatory							
Level 4							
Code	Name	P	GR	LR	HR	Required	An
222 MBIO	Ultrastructure of MBioroorganisms	2	-	-	-	140 MBIO-P	-
250 MBIO	General Virology	3	-	-	-	140 MBIO-P	-
260 MBIO	General Bacteriology	3	-	-	-	140 MBIO-P	-
270 MBIO	General Mycology	3	-	-	-	140 MBIO-P	-
280 MBIO	MBioroalgae biome	2	-	-	-	140 MBIO-P	-
Total							13

Level 2							
Code	Name	P	GR	LR	HR	Required	An
101 Stat.	Introduction to probability and statistics	3	-	-	-	-	-
101 CHS	Fitness and healthy culture	1	-	-	-	-	-
101 Chem	General Chemistry 1	4	-	-	-	-	-
101 CI	University skills	3	-	-	-	-	-
110 Eng	Specialized English Language	6	-	-	-	100 eng-p	-
Total							17

Level 5							
Code	Name	P	GR	LR	HR	Required	An
320 MBIO	MBiorobial diagnosis	2	-	-	-	260 MBio-P	-
321 FSN	Food MBiorobiology	3	-	-	-	270 MBio-P	-
331 MBIO	MBiorobial physiology	3	-	-	-	140 MBio-P	-
340 MBIO	MBiorobiology environment and pollution	3	-	-	-	140 MBio-P	-
Total							11

Level 3							
Code	Name	P	GR	LR	HR	Required	An
101 bioch.	General Biochistry	4	-	-	-	-	-
140 MBIO	MBiorobiology	3	-	-	-	-	-
220 bioch.	Basics of blood biochistry	3	-	-	-	-	-
240 MBIO	Laboratory Skills	2	-	-	-	140 MBio-S	-
Total							12

Level 6							
Code	Name	P	GR	LR	HR	Required	An
334 MBIO	BiochBioal technology		-	-	-	140 MBio-P	-
344 MBIO	Water and wastewater MBiorobiology		-	-	-	340 MBio-P	-
351 MBIO	MBiorobial Genetics		-	-	-	140 MBio-P	-
463 MBIO	Antibiotics		-	-	-	140 MBio-P	-
465 MBIO	Industrial MBiorobiology		-	-	-	280 MBio-p, 321 -p	-

Total	12
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Level 7							
Code	Name	P	GR	LR	HR	Required	An
492 MBIO	Training in nutritional and environmental MBiorobial techniques and human health	6	-	-	90	-	-
Total							6

Level 9							
Code	Name	P	GR	LR	HR	Required	An
493 MBIO	Training in MBiorobiology Health laboratories	6	-	-	90	450 MBIO 460 MBIO 492 MBIO	-
Total							6

Level 8							
Code	Name	P	GR	LR	HR	Required	An
450 MBIO	Medical Virology	3	-	-	-		-
451 MBIO	Immunology	3	-	-	-		-
460 MBIO	Medical Bacteriology	3	-	-	-		-
470 MBIO	Medical Mycology	3	-	-	-		-
490 MBIO	Scientific Communication	1	-	-	90		-
499 MBIO	Research Project	3	-	-	90		-
Total							16

Group: Optional

Code	Name	P	GR	LR	HR	Required	An
100 IC	Studies in the Prophet's biography	2	-	-	-	100 Qur	-
						101 IC	-
						102 IC	-
						103 IC	-
						104 IC	-
						105 IC	-
						106 IC	-
						107 IC	-
						108 IC	-
						109 IC	-

Code	Name	P	GR	LR	HR	Required	An
100 Qur	101 IC	2	-	-	-	100 IC	-
						101 IC	-
						102 IC	-
						103 IC	-
						104 IC	-
						105 IC	-
						106 IC	-
						107 IC	-
						108 IC	-
						109 IC	-

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Code	Name	P	GR	LR	HR	Required	An
101 IC	The Origins of IslaMBio Culture	2	-	-	-	-	-
						100 Qur	-
						102 IC	-
						103 IC	-
						104 IC	-
						105 IC	-
						106 IC	-
						107 IC	-
						108 IC	-
						109 IC	-
103 IC	EconoMBio system in Islam	2	-	-	-	100 Qur	-
						100 IC	-
						101 IC	-
						102 IC	-
						104 IC	-
						105 IC	-
						106 IC	-
						107 IC	-
						108 IC	-
						109 IC	-
105 IC	Huma rights	2	-	-	-	-	-
						100 IC	-
						101 IC	-
						102 IC	-
						103 IC	-
						104 IC	-
						106 IC	-
						107 IC	-
						108 IC	-
						109 IC	-

Code	Name	P	GR	LR	HR	Required	An
102 IC	Family in Islam	2	-	-	-	100 IC	-
						100 Qur	-
						101 IC	-
						103 IC	-
						104 IC	-
						105 IC	-
						106 IC	-
						107 IC	-
						108 IC	-
						109 IC	-
104 IC	Political system in Islam	2	-	-	-	100 Qur	-
						100 IC	-
						101 IC	-
						102 IC	-
						103 IC	-
						105 IC	-
						106 IC	-
						107 IC	-
						108 IC	-
						109 IC	-
106 IC	Medical jurisprud ence	2	-	-	-	100 Islam	-
						100 Qur	-
						101 IC	-
						102 IC	-
						103 IC	-
						104 IC	-
						105 IC	-
						107 IC	-
						108 IC	-
						109 IC	-

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Code	Name	P	GR	LR	HR	Required	An
107 IC	Professional ethics	-	-	-	-	100 IC	-
						100 Qur	-
						101 IC	-
						102 IC	-
						103 IC	-
						104 IC	-
						105 IC	-
						106 IC	-
						108 IC	-
						109 IC	-
109 Islam	Women and their developmental role	-	-	-	-	100 Qur	-
						100 IC	-
						101 IC	-
						102 IC	-
						103 IC	-
						104 IC	-
						105 IC	-
						106 IC	-
						107 IC	-
						109 IC	-
Code	Name	P	GR	LR	HR	Required	An
251 MBIO	Molecular Biology	2	-	-	-	140 MBio-P	-
335 MBIO	Biodegradation	2	-	-	-	140 MBio-P	-
345 MBIO	MBioroorganisms Interaction	2	-	-	-	140 MBio-P	-
346 MBIO	Mining MBiorobiology	2	-	-	-	140 MBio-P	-
348 MBIO	Lichens	2	-	-	-	140 MBio-P	-
349 MBIO	Yeasts	2	-	-	-	140 MBio-P	-

Code	Name	P	G R	LR	H R	Required	An
108 IC	Contemporary issues	2	-	-	-	100 IC	-
						100 Qur	-
						101 IC	-
						102 IC	-
						103 IC	-
						104 IC	-
						105 IC	-
						106 IC	-
						107 IC	-
						109 IC	-
Total							22

Category: Requirements from inside and outside the department

Group: Optional							
Code	Name	P	G R	L R	H R	Required	An
102 Bot	Botany	3	-	-	-	-	-
103 Zoo	Principles of zoology	3	-	-	-	-	-
209 phys	Biophysics	3	-	-	-	-	-
212 zoo	Parasitology	3	-	-	-	140 MBio-P	-
253 Chem	Principles of analytical chemistry	2	-	-	-	101 Chem-P	-
346 Bot	Pollution and environmental protection	2	-	-	-	-	-
Total							16
Code	Name	P	G R	L R	H R	Required	An
262 Zoo	MBioroscopic preparations	2	-	-	-	103 Zoo-P	-
Total							2

466 MBIO	introduction to petroleum MBiorobiology	2	-	-	-	140 MBio-P	-
487 MBIO	Water plankton	2	-	-	-	140 MBio-P	-
Total							16