

Mapping of Program Learning Outcomes to Course												
	COURSES OFFERED	Knowledge and understanding	Cognitive Skills	Practical Skills	Numeracy Skills	Interpersonal Skills	Communication Skills	Digital Skills	Leadership, Autonomy and Responsibility	Personal Skills	Entrepreneurial Skills	Ethics and Professional skills
Code	Courses	PLO1 KW	PLO2 CG	PLO3 PS	PLO7 NS	PLO4 IPS	PLO5 CS	PLO6 DS	PLO8 LAR	PLO9 PRS	PLO10 ENT	PLO11 ETS
University General Courses (Choose 1 from the list*)												
UXXX 6XX3	University Elective						✓					
Core Courses -Compulsory												
MSCB 1403	Research Methodology	✓	✓				✓	✓			✓	✓
MSCB 1113	Biochemistry and Microbial Physiology	✓		✓						✓		
MSCB 1813	Protein Engineering	✓	✓				✓	✓				
MSCB 1523	Industrial Technology & Bioreactor Design	✓			✓				✓	✓		
Elective Course (Choose only 6 credits)												
MSCB 1323	Tissue Culture Approaches in Industrial Biotechnology	✓	✓				✓					✓
MSCB 1423	Halal Industry Regulations, Management and Practices	✓					✓				✓	✓
MSCB 1503	Agricultural Practices	✓	✓			✓	✓			✓		
MSCB 1203	Algae Biotechnology	✓	✓			✓	✓					

MSCB 1223	Environmental Bioengineering	✓	✓				✓		✓			
MSCB 1823	Bioinformatics	✓	✓					✓				✓
Research Courses												
MSCB 1280	Research Proposal	✓	✓	✓			✓					✓
MSCB XX80	Dissertation	✓	✓	✓			✓					✓
Key: 1. Technical Skills: PLO1, 2, 3 and 7 2. Generic Skills: PLO 4, 5, 6, 8, 9, 10 and 11.												