

# M.Sci. Microbiology and MS Immunology

## Study Plan for Dual Degree

UA Admission Term: Spring 2025 and Beyond

Note: A "B" grade is required for courses applied to U of A's MS Immunology.

Semester One		Units	Grade Req
Amrita	<b>BIO400:</b> Cell Biology & Stem Cell Biology	3	B
	<b>BIO401:</b> Molecular Biology	3	
	<b>BIO419:</b> Biochemistry	4	
	<b>BIO 404:</b> Ethics in Research & Intellectual Property Rights	1	
	<b>MIC407:</b> Microbiology	2	
	<b>MAT401:</b> Biostatistics	3	
	<b>22AVP103:</b> Mastery Over Mind	2	
	<b>MIC480:</b> Microbiology – Lab	2	
	<b>BIO482:</b> Biochemistry – Lab	2	
<b>Total Units</b>		22	

Semester Two		Units	Grade Req
Amrita	<b>BIO403:</b> Molecular Genetics	3	B
	<b>BIO408:</b> Recombinant DNA Technology	3	
	<b>BIO428:</b> Advanced Pharmaceutical Biotechnology	3	
	<b>BIO418:</b> Industrial Biotechnology	3	
	<b>MIC411:</b> Bacterial & Viral Pathogenesis	4	
	<b>BIO481:</b> Recombinant DNA Technology – Lab	2	
	<b>BIO 464:</b> Cancer Biology (Elective 1)	3	B
U of A	<b>IMB 506:</b> Human Immunology	3	B
	<b>IMB 502:</b> Medical Microbiology Basics	1	B
	<b>IMB 504:</b> Medical Virology Basics	1	B
<b>Total Units</b>		26	

Semester Three		Units	Grade Req
Amrita	<b>MIC502:</b> Microbial Physiology	2	
	<b>MIC503:</b> Food Microbiology	2	
	<b>MIC505:</b> Mycology	2	
	<b>MIC506:</b> Parasitology	2	
	<b>MIC509:</b> Environmental & Agricultural Microbiology	3	
	Elective 2	3	
	<b>BIO 584:</b> Immunology Lab	2	
	<b>MIC581:</b> Food Microbiology – Lab	2	
U of A	<b>IMB 501:</b> Medical Microbiology and Immunology	4	B
	<b>MIC 528R:</b> Microbial Genetics	3	B
<b>Total Units</b>		25	

Semester Four		Units	Grade Req
Amrita	<b>BIO 559:</b> Thesis	10	B
U of A	<b>IMB 580:</b> Human Medical Virology	3	B
<b>Total Units</b>		13	

