

# M.Sc. Nanobiotechnology 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>24NBT501:</b> Nanomaterials: Synthesis and Characterization	3	
	<b>24NBT502:</b> Nanomaterials: Science & Properties	3	
	Amrita Value Program	1	
	<b>23HU601:</b> Career Competency-I	0	
	<b>24NBT581:</b> Nanomaterials Lab I	2	
	<b>22AVP103:</b> Mastery Over Mind	2	
	<b>24NBT532:</b> Advanced Cell Biology (Elective 1)	3	B
	Elective 2	3	
<b>Total Units</b>		17	

Semester Two		Units	Grade Req
Amrita	<b>24NBT511:</b> Nanomedicine: Diagnosis & Therapy	3	
	<b>24NBT512:</b> Regenerative Medicine & Tissue Engineering	3	
	<b>24NBT582:</b> Immunology & Microbiology Lab	2	
	<b>24NBT583:</b> Nanomaterials Lab II	2	
	<b>24NBT552:</b> Immunology (Elective 3)	3	B
	Elective 4	3	
	<b>24NBT561:</b> Cancer Nanotechnology (Elective 5)	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>		24	

Semester Three		Units	Grade Req
	<b>24NBT698:</b> Dissertation-I	12	
	<b>24NBT601:</b> Statistical Data Analysis	2	
	<b>24NBT681:</b> Cell Structure and Animal Lab	2	
	<b>24NBT602:</b> Ethics in Research and Research Methodology	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>24NBT699:</b> Dissertation-II	17	B
	<b>23HU611:</b> Career Competency-II	1	
U of A	<b>IMB 580:</b> Human Medical Virology	3	B
<b>Total Units</b>		21	