

**BSC (HONOURS) ANIMATION & VISUAL EFFECTS**  
**Four Years Undergraduate Degree Program**  
Manipal Institute of Communication  
Manipal Academy of Higher Education, Manipal

**Manipal Institute of Communication**  
**(A constituent unit of Manipal Academy of Higher Education)**  
**Bachelor of Science (Hons) in Animation and Visual Effects**

B.Sc. (Hons) in Animation and Visual Effects  
**PROGRAM STRUCTURE**

Year	FIRST SEMESTER					SECOND SEMESTER						
	Course Code	Course Name	L	T	P	C	Course Code	Course Name	L	T	P	C
I	ANVX1101	Visual Art Essentials for Animation	0	2	4	4	ANVX1201	Fundamentals of Traditional Animation	0	2	4	4
	ANVX1102	Art Appreciation and Colour Practice	0	0	6	3	ANVX1202	Character Design and Storyboarding	0	2	4	4
	ANVX1103	Writing for Film and Animation	3	1	0	4	BAMC1201	Communicative English & world Literature -II	3	0	0	3
	BAMC1101	Communicative English & world Literature -I	3	0	0	3	BAMC1105	Sound for Moving Images	0	2	4	3
	BAMC1105	Environmental Education	2	0	0	2	ANVX1203	Digital 2D Animation	0	2	4	4
	GDDM1101	Digital Design Tools	0	2	4	4	BAMC1204A	Constitution of India	2	0	0	2
	<b>Total Contact Hours (L + T + P)</b>			<b>27 Hrs</b>			<b>Total Contact Hours (L + T + P)</b>			<b>29 Hrs</b>		
<b>THIRD SEMESTER</b>						<b>FOURTH SEMESTER</b>						
II	ANVX2301	3D Modelling and Surface Texturing	0	2	4	4	ANVX2401	Advanced Hard Surface and Organic Modelling	0	2	4	4
	ANVX2302	Digital Performance: Rigging to Animation	0	2	4	4	ANVX2402	Animating Personality and Emotion	0	3	2	4
	ANVX2303	Foundation of Game Visualization	3	1	0	3	ANVX2403	Digital Illumination and Rendering Fundamentals	0	3	2	4
	ANVX2304	Project Management	3	1	0	3	ANVX2404	VFX and Postproduction for Films	0	3	2	3
	ANVX2305	Visual Effects Fundamentals	0	2	4	4	ANVX2405	Interactive Design	1	2	2	3
	BAMC2303	Language I	0	0	4	2	BAMC2305	Language II	0	0	4	2
<b>Total Contact Hours (L + T + P)</b>			<b>30 Hrs</b>			<b>Total Contact Hours (L + T + P)</b>			<b>30 Hrs</b>			
<b>FIFTH SEMESTER</b>						<b>SIXTH SEMESTER</b>						
III	ANVX3501	Dynamics and Simulation in 3D	0	2	4	4	ANVX3601	Project / Practice School	0	0	0	12
	ANVX3502	Matte Painting for VFX	0	2	4	4	MIC Swayam	Swayam/MOOC Course-I	0	0	0	4
	BAMC3605	AI in Media & Communication	0	0	6	3	MIC Swayam	Swayam/MOOC Course-II	0	0	0	4
	ANVX3503	Program Elective - 1	0	2	4	4						
	ANVX3505	Program Elective - II	0	2	4	4						
	ANVX3505	Work Portfolio	0	0	0	1						
<b>Total Contact Hours (L + T + P)</b>			<b>30 Hrs</b>			<b>Total Contact Hours (L + T + P)</b>			<b>00 Hrs</b>			
<b>SEVENTH SEMESTER</b>						<b>EIGHTH SEMESTER</b>						
VI	GDMM4701	Visual Communication Theory and Practice	2	0	4	4	ANVX4801	Major project Exhibition with Jury	0	2	0	8
	ANVX4702	Procedural VFX (Houdini-based) I	0	2	4	4	ANVX4802	Procedural VFX (Houdini-based) II	0	2	4	4
	ANVX4703	Creature & Quadruped Animation	0	2	4	4	ANVX4803	Film Analysis for Animation and VFX	3	1	0	4
	ANVX4704	Experimental Animation	0	2	2	4	ANVX4804	Lighting & Cinematic Rendering	0	2	4	4
	ANVX4705	VFX for Digital Filmmaking	0	2	2	4						
	<b>Total Contact Hours (L + T + P)</b>			<b>26 Hrs</b>			<b>Total Contact Hours (L + T + P)</b>			<b>18 Hrs</b>		