

Maulana Azad National Institute of Technology, Bhopal – 462003
Department of Architecture and Planning

Masters in Planning (Urban Planning) Full Time

SCHEME OF STUDY (w.e.f July 2025)

First semester:

First semester:

Course No.	Subjects	Scheme of studies period per week			Total Credits
		L	T	P	
MC MT 1102	Quantitative Methods	3	--	--	3
AP UP 1101	Planning Studio - I	2	--	6	5
AP UP 1102	Urban Economics and Sociology	3	--	--	3
AP UP 1103	Planning Theory, Practices and Demography	3	--	--	3
AP UP 1104	Planning Techniques	3	--	--	3
	Elective-I (A)	3	--	--	3
	Elective-II (B)	3	--	--	3
AP UP 1105	Seminar-I	--	--	2	1
*HS 1101	Communication Skills	2	--	--	0
Total hours: 30 Total Credits: 24		Total Semester Credits			24
*HS 1101 Communication Skills 02 Credits (Not counted in SGPA/ CGPA calculations)					

Second semester:

Course No.	Subjects	Scheme of studies period per week			Total Credits
		L	T	P	
AP UP 1201	Planning Studio-II	2	--	6	5
AP UP 1202	City and Metropolitan Planning	3	--	--	3
AP UP 1203	Infrastructure Planning	3	--	--	3
AP UP 1204	Traffic and Transportation Planning	3	--	--	3
	Elective-III (A)	3	--	--	3
	Elective-IV (A)	3	--	--	3
	Elective-V (C)	3	--	--	3
AP UP 1205	Research Methodology	1	1	--	2
AP UP 1206	Seminar-2	--	--	2	1
Total hours: 30 Total Credits: 50		Total Semester Credits			26

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Third Semester:

Course No.	Subjects	Scheme of studies periods per week			Total Credits
		L	T	P	
AP UP 2101	Dissertation Phase -I	5		16	13
AP UP 2102	Training	--	2	--	2
Total hours: 22 Total Credits: 65		Total Semester Credits			15

Fourth Semester:

Course No.	Subjects	Scheme of studies periods per week			Total Credits
		L	T	P	
AP UP 2201	Dissertation Phase -II	5	--	20	15
Total hours: 25 Total Credits: 80		Total Semester Credits			15

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List of Program Electives A		List of Open Electives C	
AP UP 1151	Evolution of Urban Planning	BSE 25581	Bioprocess Engineering
AP UP 1152	Planning for Disaster Prone Areas	BSE 25582	Biophysics Tools and Techniques
AP UP 1153	Urban Management and Governance	CHE 25581	Analytical Techniques
AP UP 1154	Energy Efficient Planning	CHE 25582	Green Technology & Processes
AP UP 1155	Geo Informatics	CE 25581	Solid Waste Management
AP UP 1156	Application of Remote Sensing and GIS in Planning	CE 25582	Basic Concept of GIS
AP UP 1157	Ecology and Resource Development	CE 25583	Road Safety
AP UP 1158	Land-use and Transportation Planning	CSE 25581	Machine Learning
AP UP 1159	Sustainable Planning Practices	CSE 25582	Advanced Data Structures and Algorithms
AP UP 1181	Smart Practices in Planning	PHY 25581	Nanotechnology and Nanoscience
AP UP 1182	Poverty and Development	EE 25581	Electric Machines & Applications
AP UP 1183	Institutional Analysis and Governance	EE 25582	Control and Instrumentation
AP UP 1184	Urban and Peri-Urban Area Planning	ECE 25581	Introduction to Fuzzy Logic
AP UP 1185	Spatial Data Infrastructure (SDI)	ECE 25582	Neural Networks and its Applications
AP UP 1186	Urban Conservation	EC 25581	Energy Resource Technologies
AP UP 1187	Rural Planning and Development	HUM 25581	Intellectual Property Rights for Engineers
	List of Departmental Electives B	HUM 25582	Applied Psychology: Human Centered Design and Engineering
AP RE 1151	Building Information Modelling	MTH 25581	Advanced Operations Research
AP RE 1152	AI and ML in Real Estate Planning	MTH 25582	Computing Technologies
AP RE 1153	Land Value Capture, ToD, TDR and Commercial Real Estate Management	ME 25581	Value Engineering
AP RE 1154	Project Formulation and Appraisal	ME 25582	Design Thinking
AP RE 1155	Real Estate Market Research	ME 25583	Mechatronics and NDT in Engineering
AP RE 1156	People and Organisations	MME 25581	Advanced Instrumentation Methods for Material Analysis
AP RE 1157	Inclusive Real Estate, Affordable and Community Development	MME 25582	Smart Materials and their Application
AP RE 1158	Citizen Partnership in Real Estate	MBA 25581	Engineering Startup Management