



TECHNO INDIA UNIVERSITY
WESTBENGAL

Syllabus of B.Arch

Course Curriculum for All Semesters



School of Architecture

Techno India University, West Bengal
EM-4, EM Block, Sector V, Bidhannagar,
Kolkata -700091, West Bengal



School of Architecture
Course Curriculum for All Semesters

Semester I

SL. NO.	SUBJECT CODE	SUBJECT NAME	L	S	P	Credit
1	TIU-UMA-T111	Mathematics I	2	0	0	2
2	TIU-UEA-T117	English for Communication	2	0	0	2
3	TIU-UME-T101	Engineering Mechanics (AR)	2	0	0	2
4	TIU-UAR-T107	Building Materials & Science I	2	0	0	2
5	TIU-UAR-T109	Principles of Architecture	2	0	0	2
6	TIU-UCE-L103	Workshop Practice & Model Making I	0	0	3	2
7	TIU-UAR-L101	Computer Application I:Non Graphic	0	0	3	2
8	TIU-UAR-S107	Architectural Graphics	0	6	0	4
9	TIU-UAR-S103	Free Hand Sketch Workshop	0	6	0	4
10	TIU-UAR-S105	Descriptive Geometry I	0	6	0	4
11	TIU-CASD-UEN-S101	Career Advancement & Skill Development(English I)	0	2	0	2
12	TIU-UES-S181	Entrepreneurship Skill Development	0	0	2	1
					Total	29



Semester II

SL. NO.	SUBJECT CODE	SUBJECT NAME	L	S	P	Credit
1	TIU-UCE-T106	Strength of Materials (AR)	2	0	0	2
2	TIU-UMA-T108	Mathematics II	2	0	0	2
3	TIU-UAR-T110	Building Materials and Science II	2	0	0	2
4	TIU-UAR-T104	Environmental Science	2	0	0	2
5	TIU-UAR-T108	Evolution of Architecture	4	0	0	2
6	TIU-UAR-L106	Computer Application II: CAD2D	0	0	3	2
7	TIU-UAR-L108	Workshop Practice and Model Making II	0	0	3	2
8	TIU-UAR-S102	Details of Construction I	2	4	0	4
9	TIU-UAR-S104	Descriptive Geometry II	0	6	0	4
10	TIU-UAR-S108	Architectural Design I	0	6	0	4
11	TIU-CASD-UEN-S102	Career Advancement and Skill Development(English II)	0	2	0	2
12	TIU-UES-S182	Entrepreneurship Skill Development	0	0	2	1
Total						29



Semester III

<i>Sl. No.</i>	SUBJECTCODE	SUBJECT NAME	L	S	P	Credit
1.	TIU-UCE-T211	Theory of Structure I(AR)	2	0	0	2
2.	TIU-UAR-T201	Water Supply and Plumbing Services	2	0	0	1
3.	TIU-UAR-T203	History of Architecture I	3	0	0	3
4.	TIU-UAR-T205	Climatology	2	0	0	2
5.	TIU-UAR-T207	Landscaping and Site Planning	2	0	0	2
6.	TIU-UCE-L251	Surveying and Levelling(AR)	2	0	2	2
7.	TIU-UAR-L205	Computer Application III:CAD3D	0	0	3	2
8.	TIU-UAR-L203	Educational Tour	0	0	0	2
9.	TIU-UAR-S201	Architectural Design II	0	6	0	6
10.	TIU-UAR-S203	Details of Construction II	2	4	0	4
11.	TIU-CASD-UEN-S297	Career Advancement and skill Development (French I)	0	3	0	2
12.	TIU-UES-S281	Entrepreneurship Skill Development	0	0	2	1
Total Credit						29



Semester IV

SLNO.	SUBJECT CODE	SUBJECT NAME	L	S	P	Credit
1	TIU-UCE-T252	Theory of Structure II (AR)	2	0	0	2
2	TIU-UEE-T212	Building Services-Electrical & lighting(AR)	2	0	0	2
3	TIU-UAR-T202	History of Architecture II	3	0	0	3
	TIU-UAR-T204	Mechanical Services in Buildings	2	0	0	1
4	TIU-UAR-L206	Computer Application IV:CAD3D	0	0	3	2
5	TIU-UAR-L204	Site Exposure	0	0	2	1
6	TIU-UAR-S202	Details of Construction III	2	6	0	4
7	TIU-UAR-S204	Landscape Practice	0	6	0	4
8	TIU-UAR-S216	Architectural Design III	0	8	0	8
9	TIU-CASD-UEN-S200	Career Advancement and Skill Development (French II)	0	3	0	2
10	TIU-UES-S282	Entrepreneurship Skill Development (AR)	0	0	2	1
Total Credit						30



Semester V

SL.No.	SUBJECT CODE	SUBJECT NAME	L	S	P	Credit
1	TIU-UCE-T381	Design of Structures I(AR)	2	0	0	2
2	TIU-UAR-T301	Contemporary Architecture I	3	0	0	3
3	TIU-UAR-T303	Estimation and Specification	2	0	0	2
4	TIU-UME-T391	Heating, Ventilation and Air-conditioning Systems	2	0	0	2
5	TIU-UAR-L301	Estimation Practice	0	0	3	2
6	TIU-UAR-L303	Educational Tour	0	0	0	2
7A	TIU-UAR-L305A	Architectural Journalism & Photography (Elective I)	0	0	2	1
7B	TIU-UAR-L305B	Film/Theatre Set Designing (Elective I)	0	0	2	1
8	TIU-UAR-S301	Architectural Design IV	0	12	0	8
9	TIU-UAR-S303	Working Drawing I	2	8	0	4
10A	TIU-CASD-UAR-L301A	Career Advancement and Skill Development (Parametric architecture)	0	0	2	1
10B	TIU-CASD-UAR-L301B	Career Advancement and Skill Development (Sustainability In building design)	0	0	2	1
10C	TIU-CASD-UAR-L301C	Career Advancement and Skill Development (Digital Fabrication and robotics in architecture)	0	0	2	1
10D	TIU-CASD-UAR-L301D	Career Advancement and Skill Development (Urban Farming & Vertical Gardens)	0	0	2	1
10E	TIU-CASD-UAR-L301E	Career Advancement and Skill Development (Smart Buildings & IoT in Architecture)	0	0	2	1
11	TIU-UES-S381	Entrepreneurship Skill Development (AR)	0	0	2	1
Total Credits						29



Semester VI

SLNO.	SUBJECTCODE	SUBJECTNAME	L	S	P	Credit
1	TIU-UCE-UAR-T302	Design of StructuresII(AR)	2	0	0	2
2	TIU-UAR-T302	Architectural Acoustics	2	0	0	2
3	TIU-UAR-T308	Contemporary Architecture II	3	0	0	3
4	TIU-UAR-T310	Prefabrication & Modular Coordination	2	0	0	2
5A	TIU-UAR-L302A	Building System Integration (Elective II)	0	0	2	1
5B	TIU-UAR-L302B	Construction Management (Elective II)	0	0	2	1
6	TIU-UAR-S308	Working Drawing II	0	6	0	4
7	TIU-UAR-S310	Disaster Resistant Architecture	4	2	0	4
8	TIU-UAR-S306	Architectural Design V	0	12	0	8
9A	TIU-CASD- UAR-L302A	Career Advancement and Skill Development(AI and Parametric architecture applicaiton)	0	2	0	1
9B	TIU-CASD- UAR-L302B	Career Advancement & Skill Development (Building Information modelling)	0	2	0	1
9C	TIU-CASD- UAR-L302C	Career Advancement & Skill Development(Vaastu Shashtra In Indian architecture)	0	2	0	1
9D	TIU-CASD- UAR-L302D	Career Advancement and Skill Development(Biophilic and Neuro-Architecture)	0	2	0	1
9E	TIU-CASD- UAR-L302E	Career Advancement and Skill Development (Digital Preservation of Cultural Heritage)	0	2	0	1
10	TIU-UES-S382	Entrepreneurship Skill Development (AR)	0	0	2	1
Total Credits						33



Semester VII

SL.NO.	SUBJECT CODE	SUBJECT NAME	L	S	P	Credit
1	TIU-UAR-T401	Housing & Settlements	3	0	0	3
2	TIU-UAR-T403	Urban Design	3	0	0	3
3	TIU-UAR-T405	Architectural Conservation	3	0	0	3
4	TIU-UAR-T407	Valuation of Real Properties	3	0	0	2
5	TIU-UAR-T409	Energy Efficient Architecture	2	0	0	2
6A	TIU-UAR-E401	Vernacular Architecture(Elective III)	2	0	0	1
6B	TIU-UAR-E403	Architectural Psychology & Sociology (Elective III)	2	0	0	1
7	TIU-UAR-L401	Educational Tour	0	0	0	2
8	TIU-UAR-S401	Architectural Design VI	0	12	0	10
9	TIU-UAR-S403	Interior Design Practice	0	6	0	4
Total Credits						30



Semester VIII

SLNO.	SUBJECTCODE	SUBJECTNAME	L	S	P	Credit
1	TIU-UAR-L502	Professional Training	0	0	30	30
Total Credit						30



Semester IX

SLNO.	SUBJECTCODE	SUBJECTNAME	L	S	P	Credit
1	TIU-UAR-T501	Professional Practice and Entrepreneurial Development	3	0	0	3
2	TIU-UAR-T503	Urban Planning	3	0	0	3
3	TIU-UAR-T505	Industrial Architecture	3	0	0	3
4	TIU-UAR-T507	Research Methodology	3	0	0	3
5A	TIU-UAR-E501	Cost Effective Technology In Building Construction (Elective IV)	2	0	0	1
5B	TIU-UAR-E503	Transportation Planning (Elective IV)	2	0	0	1
6	TIU-UAR-S501	Architectural Design VII	0	16	0	12
7	TIU-UAR-L501	Thesis Research I	0	0	8	4
Total Credit						29



Semester X

SLNO.	SUBJECT CODE	SUBJECT NAME	L	S	P	Credit
1	TIU-UAR-E502	Elective not taken in 7 th semester	2	0	0	2
2	TIU-UAR-S502	Thesis Project-Final	0	10	0	20
3	TIU-UAR-L502	Thesis Research II	0	0	8	8
Total Credits						30