

**YANGON TECHNOLOGICAL UNIVERSITY**

**Department of Architecture**

**Curriculum for Bachelor of Architecture (New 6-Year Direct Intake System)**

PRE-ENGINEERING (1 Year)

**FIRST YEAR B.Arch.** (Common courses for all disciplines)

SEMESTER ONE (15 Weeks)

Sr.	Course No.		Course Title	Periods per week (avg)				Credit Points
				Lect.	Tut.	Pract.	Tot.	
1.	M	11001	Myanmar I	2	0	0	2	2.0
2.	E	11001	English I	2	1	0	3	2.5
3.	EM	11001	Applied Mathematics I	4	1	0	5	4.5
4.	ECh	11001	Engineering Chemistry I	4	1	2	7	5.5
5.	EPh	11001	Engineering Physics I	5	1	2	8	6.5
6.	Arch	11011	Basic Architectural Drawing I	1	0	3	4	2.5
Total				18	4	7	29	23.5

Practical Training: Two weeks training in Architectural Tour

SEMESTER TWO (15 Weeks)

Sr.	Course No.		Course Title	Periods per week (avg)				Credit Points
				Lect.	Tut.	Pract.	Tot.	
1.	M	12001	Myanmar II	2	0	0	2	2.0
2.	E	12001	English II	2	1	0	3	2.5
3.	EM	12001	Applied Mathematics II	4	1	0	5	4.5
4.	ECh	12001	Engineering Chemistry II	4	1	2	7	5.5
5.	EPh	12001	Engineering Physics II	5	1	2	8	6.5
6.	Arch	12011	Basic Architectural Drawing II	1	0	3	4	2.5
Total				18	4	7	29	23.5

Practical Training: Two weeks training in Architectural Tour

**Note:** (1) *Streaming (or Specialization) begins in the Second Year (or Engineering Part I (Junior Year)). It is to be determined by the individual student's preference and the marks he/she has scored in the first year (common courses).*

(2) *One period means one hour (including 10 minutes' break)*

ENGINEERING PART I (2 Years)

ENGINEERING PART I (JUNIOR) OR SECOND YEAR B.ARCH.

**SECOND YEAR B.ARCH.**

SEMESTER ONE (15 Weeks)

Sr.	Course No.	Course Title	Periods per week (avg)				Credit Points
			Lect.	Tut.	Pract.	Tot.	
1.	E 21001	English III	2	1	0	3	2.5
2.	EM 21003	Applied Mathematics III	5	1	0	6	5.5
3.	CE 21003	Mechanics of Materials I	3	1	1	5	4.0
4.	ME 21015	Engineering Mechanics I	3	1	0	4	3.5
5.	EP 21012	Applied Electrical Engineering (Lighting & Illumination)	2	1	0	3	2.5
6.	Arch 21014	Introduction to Visual Design I	1	0	3	4	2.5
7.	Arch 21021	Descriptive Geometry I	1	0	3	4	2.5
8.	Arch 21022	Architectural Drawings and Practices I	1	0	3	4	2.5
Total			18	5	10	33	25.5

Industrial Practical Training: Two weeks during the vacation.

SEMESTER TWO (15 Weeks)

Sr.	Course No.	Course Title	Periods per week (avg)				Credit Points
			Lect.	Tut.	Pract.	Tot.	
1.	E 22001	English IV	2	1	0	3	2.5
2.	EM 22004	Applied Mathematics IV	5	1	0	6	5.5
3.	CE 22003	Mechanics of Materials II	3	1	1	5	4.0
4.	ME 22012	Workshop II	2	0	1	3	2.5
5.	Arch 22014	Introduction to Visual Design II	1	0	3	4	2.5
6.	Arch 22021	Descriptive Geometry II	1	0	3	4	2.5
7.	Arch 22018	Computer Application in Architectural Design	1	0	2	3	2.0
8.	Arch 22022	Architectural Drawings and Practices II	1	0	3	4	2.5
Total			16	3	13	32	24.0

Industrial Practical Training: Two weeks during the vacation.

ENGINEERING PART I (SENIOR) or THIRD YEAR B.ARCH.

**THIRD YEAR B.ARCH.**

SEMESTER ONE (15 Weeks)

Sr.	Course No.	Course Title	Periods per week (avg)				Credit Points
			Lect.	Tut.	Pract.	Tot.	
1.	CE 31001	Surveying I	2	1	1	4	3.0
2.	CE 31013	Theory of Structures I	2	1	1	4	3.0
3.	Arch 31016	Environmental Science & Building Technologies I	2	1	0	3	2.5
4.	Arch 31024	Fundamental of Architectural Design I	2	1	0	3	2.5
5.	Arch 31025	Architectural Materials & Construction I	2	1	0	3	2.5
6.	Arch 31044	History of Architecture ( Western )	2	0	1	3	2.5
7.	Arch 31019	Design Studio I	1	0	6	7	4.0
Total			13	5	9	27	20.0

Industrial Practical Training: Two weeks during this vacation.

SEMESTER TWO (15 Weeks)

Sr.	Course No.	Course Title	Periods per week (avg)				Credit Points
			Lect.	Tut.	Pract.	Tot.	
1.	CE 32001	Surveying II	2	1	1	4	3.0
2.	CE 32013	Theory of Structures II	2	1	1	4	3.0
3.	Arch 32016	Environmental Science & Building Technologies II	2	1	0	3	2.5
4.	Arch 32024	Fundamental of Architectural Design II	2	1	0	3	2.5
5.	Arch 32025	Architectural Materials & Construction II	2	1	0	3	2.5
6.	Arch 32044	History of Architecture ( Eastern )	2	0	1	3	2.5
7.	Arch 32019	Design Studio II	1	0	6	7	4.0
Total			13	5	9	27	20.0

Industrial Practical Training: Measured, Drawing for Two weeks during this vacation.

ENGINEERING PART II (2 YEARS)

ENGINEERING PART II (JUNIOR) OR FOURTH YEAR B.ARCH.

**FOURTH YEAR B.ARCH.**

SEMESTER ONE (15 Weeks)

Sr.	Course No.	Course Title	Periods per week (avg)				Credit Points
			Lect.	Tut.	Pract.	Tot.	
1.	HSS 41011	Humanities and Social Sciences I	3	0	0	3	3.0
2.	Arch 41012	Environmental analysis & Landscape Architecture I	2	0	1	3	2.5
3.	Arch 41013	Structure in Architecture I	2	1	0	3	2.5
4.	Arch 41022	Interior Design I	2	0	1	3	2.5
5.	Arch 41034	Architectural Thoughts & Theory of Design I	2	0	1	3	2.5
6.	Arch 41035	Architectural Materials & Construction III	2	1	0	3	2.5
7.	Arch 41029	Design Studio III	1	0	6	7	4.0
Total			14	2	9	25	19.5

Industrial Practical Training: Two weeks during this vacation.

SEMESTER TWO (15 Weeks)

Sr.	Course No.	Course Title	Periods per week (avg)				Credit Points
			Lect.	Tut.	Pract.	Tot.	
1.	HSS 42011	Humanities and Social Sciences II	3	0	0	3	3.0
2.	Arch 42012	Environmental analysis & Landscape Architecture II	2	0	1	3	2.5
3.	Arch 42013	Structure in Architecture II	2	1	0	3	2.5
4.	Arch 42022	Interior Design II	2	0	1	3	2.5
5.	Arch 42034	Architectural Thoughts & Theory of Design II	2	0	1	3	2.5
6.	Arch 42035	Architectural Materials & Construction IV	2	1	0	3	2.5
7.	Arch 42029	Design Studio IV	1	0	6	7	4.0
Total			14	2	9	25	19.5

Industrial Practical Training: Measured, Drawing for Two weeks during this vacation.

ENGINEERING PART II (SENIOR) OR FIFTH YEAR B.ARCH.

**FIFTH YEAR B.ARCH.**

SEMESTER ONE (15 Weeks)

Sr.	Course No.	Course Title	Periods per week (avg)				Credit Points
			Lect.	Tut.	Pract.	Tot.	
1.	E 51001	English V	2	1	0	3	2.5
2.	Arch 51017	Introduction to Urban Planning	2	0	1	3	2.5
3.	Arch 51023	Quantity Surveying & Cost Estimating I	2	1	0	3	2.5
4.	Arch 51033	Professional Practices & Building Laws I	2	1	0	3	2.5
5.	Arch 51045	Structure in Architecture III	2	1	0	3	2.5
6.	Arch 51039	Design Studio V	1	0	6	7	4.0
Total			11	4	7	22	16.5

Students must take part in seminars, talks, and excursion tours (no credit points scored for these activities).

Industrial Practical Training: Two weeks during this vacation.

SEMESTER TWO (15 Weeks)

Sr.	Course No.	Course Title	Periods per week (avg)				Credit Points
			Lect.	Tut.	Pract.	Tot.	
1.	E 52001	English VI	2	1	0	3	2.5
2.	Arch 52013	Building Economics & Construction Management	2	1	0	3	2.5
3.	Arch 52023	Quantity Surveying & Cost Estimating II	2	1	0	3	2.5
4.	Arch 52033	Professional Practices & Building Laws II	2	1	0	3	2.5
5.	Arch 52038	Urban Planning Theory and Practices with Computer Application	1	0	2	3	2.0
6.	Arch 52045	Structure in Architecture IV	2	1	0	3	2.5
7.	Arch 52039	Design Studio VI	1	0	6	7	4.0
Total			12	5	8	25	18.5

Students must take part in seminars, talks, and excursion tours (no credit points scored for these activities)

Industrial Practical Training: Measured, Drawing for Two weeks during this vacation.

ARCHITECTURE FINAL (1 Year)

**SIXTH YEAR B.ARCH.**

SEMESTER ONE (15 Weeks)

ATTACHMENT (2 Months) PROGRAMME at suitable Design Office / Construction Site / Industry, etc.

*Note: The student must submit diary, report and recommendation of the of the Attachment Program (at training place), and take Viva voce exam.*

*If not satisfactory, the student must supplement the program until his/her work is satisfactory. Otherwise, the student will not be conferred the degree. No credit point will be assigned to this program.*

SEMESTER TWO (15 Weeks)

GRADUATION PROJECT/RESEARCH REPORT (9 credit points)

*Note: The student must present the Project/ Report as Attachment Design Thesis Requirements and take Viva voce exam.*

*If the Project/Report is not satisfactory, the student must upgrade it while undergoing Attachment Programme in SEMESTER TWO.*

Students must take part in seminars, talks, workshops and excursion tours (no credit points scored for these activities)