

ASSAM WOMEN'S UNIVERSITY
Rowriah, Jorhat-04, Assam

Distribution of courses for MCA programme with credit allocation

Semester I

Course code	Course title	Type	Credits			
			Lecture(L)	Tutorial(T)	Practical(P)	Total
MIT-001	Programming in C	Core	3	1	2	6
MIT-002	Digital Logic and Design	Core	2	1	1	4
MIT-003	Fundamentals of Computer	Core	2	1	1	4
MIT-004	Discrete Mathematics	Core	3	0	0	3
MIT-005	Business Economics	Core	3	0	0	3
Total credits			13	3	4	20

Semester II

Course code	Course title	Type	Credits			
			Lecture(L)	Tutorial(T)	Practical(P)	Total
MIT-006	Data Structures	Core	3	1	1	5
MIT-007	Computer Architecture and Organization	Core	3	1	1	5
MIT-008	Formal Language and Automata	Core	3	1	0	4
MIT-009	Data Communication	Core	2	1	0	3
MIT-010	System Software	Core	2	0	1	3
Total credits			13	4	3	20

Semester III

Course code	Course title	Type	Credits			
			Lecture(L)	Tutorial(T)	Practical(P)	Total
MIT-011	Database Management System	Core	3	1	1	5
MIT-012	Computer Networks	Core	3	1	1	5
MIT-013	Object Oriented Programming using C++	Core	3	1	1	5
MIT-014	Design and Analysis of Algorithm	Core	2	1	0	3
MIT-015	Graph Theory	Core	2	1	0	3
Total credits			13	5	3	21

Semester IV

Course code	Course title	Type	Credits			
			Lecture(L)	Tutorial(T)	Practical(P)	Total
MIT-016	Operating System	Core	3	1	1	5
MIT-017	Java Programming	Core	2	1	1	4
MIT-018	Software Engineering	Core	2	1	0	3
Elective I			2	1	1	4
Elective II			2	1	1	4
Total credits			11	5	4	20

Students have to choose Elective I and Elective II from the following courses

Course code	Course title	Type	Credits			
			Lecture(L)	Tutorial(T)	Practical(P)	Total
MIT-019	Numerical Method	Elective	2	1	1	4
MIT-020	Computer Graphics	Elective	2	1	1	4
MIT-021	Image Processing	Elective	2	1	1	4
MIT-022	Compiler Design	Elective	2	1	1	4

Semester V

Course code	Course title	Type	Credits			
			Lecture(L)	Tutorial(T)	Practical(P)	Total
MIT-023	Web Technology	Core	2	1	1	4
Elective I			2	1	0	3
Elective II			2	1	0	3
Minor Project						10
Total credits			6	3	1	20

Students have to choose Elective I and Elective II from the following courses

Course code	Course title	Type	Credits			
			Lecture(L)	Tutorial(T)	Practical(P)	Total
MIT-024	Mobile Computing	Elective	2	1	0	3
MIT-025	Data Mining and Data Warehousing	Elective	2	1	0	3
MIT-026	Artificial Intelligence	Elective	2	1	0	3
MIT-027	Bioinformatics	Elective	2	1	0	3

Semester VI

Major Project	25
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Total credits -126