

## MBA TECH. COMPUTER ENGINEERING

MBA Tech. Computer Engineering, is a integrated program in which the students get both B. Tech. and MBA degrees in Technology Management in a span of 5 years. MPSTME, NMIMS, has always been in the forefront in offering courses which are of international standards and which give opportunity to students to be industry ready. Over the years, through strong industry linkages, NMIMS has identified a need for techno managers. With increasing use of technology in every field, organizations are looking for human resources who not only understand business practices and appreciate technology in their respective domains, but also understand its impact on technological decision-making. Industry also seeks people who can multitask and have the ability of delivering results quickly. the MBA Tech. program is specially designed to meet this growing need of techno managers. NMIMS is one of the few institutions in the country which offers this program. The program has been tailor-made by leading academicians and experts from the industry to develop students into techno-managers with multitasking abilities.

In this program, students get trained to be engineers in the field of their choices and begin training for their MBA degrees from 4<sup>th</sup> year onwards. The rigorous program also offers summer placements to the students so that they get a first-hand experience of how the industry functions. At the end of five years, students are well equipped to understand the expectations of the industry, which helps them during placements through MPSTME.

- **Program Duration:** 5 Years
- **Intake:** 120 seats
- **Unique features of the program:**
  - Technical Industrial training of 8 weeks and Management Industrial Training of 20 weeks ensure effective learning utilization.
  - The periodic review and revision of syllabus and its implementation of the same is based on feedback from students, faculty and industry, to ensure the relevance of the program in the context of industry needs.
  - Techno-managers have the ability to function efficiently in the interface of Technology and Management. Hence they comprehend and implement newer technologies effectively.
- **Curriculum:**  
[List of MBA.Tech - Computer Engineering Courses \(/docs/Course\\_MBATech.pdf\)](/docs/Course_MBATech.pdf)

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### Press Room

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UGC - Videos Regarding Ragging  
(<https://ugc.ac.in/page/Videos-Regarding-Ragging.aspx>)  
National Academic Depository (NAD)  
(<http://www.nad.gov.in>)

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## Computer Engineering Department

## Structure of the Program MBA Tech Computer Engineering (Batch 2022 - 2027)

**Year of the Programme: First Year (Academic Year 2022-23)**

Semester I				Semester II		
Sr. No.	Course Name	Credit/s		Sr. No.	Course Name	Credit/s
1	Calculus	4		1	Linear Algebra and Differential Equations	4
2	Physics	4		2	Quantum and Statistical Physics	3
3	Fundamentals of English Communication	1		3	Elements of Biology	3
4	Programming for Problem Solving	4		4	Engineering Graphics and Design	3
5	Basic Electrical and Electronics Engineering	3		5	Management Accounting for Engineers	2
6	Design Thinking	0		6	Professional Ethics	1
7	Environmental Science	2		7	Constitution of India	0
8	Digital Manufacturing Laboratory	1		8	Critical Thinking	0
9	Electrical and Electronics Workshop	1		9	Python Programming	1
	<b>Total</b>	<b>20</b>			<b>Total</b>	<b>17</b>

**Year of the Programme: Second Year (Academic Year 2023-24)**

Semester III					Semester IV	
Sr. No.	Course Name	Credit/s		Sr. No.	Course Name	Credit/s
1	Probability and Statistics	3		1	Complex Variables and Transforms	4
2	Discrete Mathematics	3		2	Computer Organization and Architecture	3
3	Technical Communication	1		3	Design and Analysis of Algorithms	3
4	Principles of Economics and Management	3		4	Database Management Systems	3
5	Digital Logic Design	3		5	Microprocessor and Microcontroller	4
6	Data Structures and Algorithms	4		6	Theoretical Computer Science	3
7	Computer Networks	3		7	Web Programming	3
8	Data Extraction and Processing	2		8	Object Oriented Programming through JAVA	1
9	Community Service	0				
	<b>Total</b>	<b>22</b>			<b>Total</b>	<b>24</b>

**Year of the Programme: Third Year (Academic Year 2024-25)**

Semester V				Semester VI		
Sr. No.	Course Name	Credit/s		Sr. No.	Course Name	Credit/s
1	Software Engineering	3		1	Cyber Security	3
2	Artificial Intelligence	3		2	Distributed Computing	3
3	Image and Video Processing	3		3	Machine Learning	3
4	Operating Systems	3		4	Department Elective II	3
5	Department Elective I	3		5	Department Elective III	3
6	Open Elective I	3		6	Open Elective III	3
7	Open Elective II	3		7	Open Elective IV	3
				8	Interpersonal Skills	1
	<b>Total</b>	<b>21</b>			<b>Total</b>	<b>22</b>
<b>Year of the Programme: Fourth Year (Academic Year 2025-26)</b>						
Semester VII				Semester VIII		
Sr. No.	Course Name	Credit/s		Sr. No.	Course Name	Credit/s
1	Cloud Computing	3		1	Department Elective VI	3
2	Department Elective IV	3		2	Project	5
3	Department Elective V	3				
4	Open Elective V	3				
7	Technical Internship	4				
	<b>Total</b>	<b>16</b>			<b>Total</b>	<b>8</b>
1	Operations Management	2		1	Business Analytics	2
2	Quantitative Techniques	2		2	Project Management	2
3	Financial Analysis and Working Capital Manage	2		3	Financial Management	2
4	Marketing Management	2		4	B2B Marketing	2
5	Innovation - I	1		5	Innovation - II	1
6	Fundamentals of Accounting	1		6	Organizational Behaviour	2
	<b>Total</b>	<b>10</b>		7	Business Research Methods	2
	<b>Value Added Courses</b>			8	Personal Skills For Business *	2
					<b>Total</b>	<b>15</b>
					<b>Value Added Courses</b>	

					Spreadsheet modelling	0
<b>Year of the Programme: Fifth Year (Academic Year 2026-27)</b>						
<b>Semester IX</b>				<b>Semester X</b>		
<b>Sr. No.</b>	<b>Course Name</b>	<b>Credit/s</b>		<b>Sr. No.</b>	<b>Course Name</b>	<b>Credit/s</b>
1	Human Resource Management	2		1	Strategic Management	2
2	Legal Aspects of Business	1		2	Management of Technology	2
3	Business Communication	2		3	Business Problem Solving *	2
4	Elective- 1	2		4	Elective- 5	2
5	Elective- 2	2		5	Elective- 6	2
6	Elective- 3	2		6	Elective- 7	2
7	Elective- 4	2		7	Elective- 8	2
	<b>Total</b>	<b>13</b>			<b>Total</b>	<b>14</b>
	<b>Value Added course</b>				<b>Value Added Course</b>	
	MIP Management Internship Programme - 12 Cr	12			Foreign Languages (any one)	2
<b>Total Credits for the Programme</b>		<b>216</b>				