MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL
(Formerly WEST BENGAL UNIVERSITY OF TECHNOLOGY)
Main Campus: NH 12, Haringhata, Post Office - Simhat, Police Station – Haringhata, Pin – 741249
City Office: BF-142, Sector -I, Salt Lake, Kolkata -700 064

No. MAKAUT/RE-137/158 Date- 11-08-2026

NOTIFICATION

This is hereby notified for information of all concerned that the University desires that the syllabus of all academic programmes offered by the University should be inconsonance with the National Education Policy (NEP) framework from the Academic Year, 2026-27. In the meanwhile the University has done homework regarding the same. The University has prepared a template for 1st semester and 2nd semester Credit Framework of the subject of all B.Techprogrammes and the same is being attached herewith for information of all stakeholders of the University. The said template may please be gone through and valuable inputs in the form of addition/deletion /modification if any may please be provided to the Member Coordinator within seven (07) days from the date of issuance of this Notification of the Committee stated hereunder constituted in the Academic Council Meeting held on 11.08.2026.

Member of the Committee:

1. Prof. Debashis De , MAKAUT,WB – Chairman
2. Prof. Santanu Phadikar- Director of Academic Affairs (In-house)- Member
3. Dr. SubhashisDatta, Controller of Examinations, MAKAUT.WB – Member Coordinator
4. Dr. BivashMallick, Head, Department of Robotics and Additive Manufacturing Technology, MAKAUT,WB-Member
5. Prof. Sutapa Mukherjee– Member Academic Council
6. Prof. Ivy Majumdar – Member Academic Council
7. Prof. Santanu Das, Kalyani Govt. Engineering College- Member
8. Prof. Sanjay Das Neogi, Techno International Newtown- Member

All concerned are to note and act accordingly.

This has got reference to the approval dated 11.08.2026 of the Competent Authority in File No. MAKAUT/RE-137.

Sd/-
(Dr. S. K. Maity)
Registrar (Addl. Charge)
& Inspector of Colleges
MAKAUT, WB

Copy forwarded for information and necessary action to:

1. The P.A to the Hon'ble Vice-Chancellor, MAKAUT, WB – Please bring it into the kind notice to the Hon'ble Vice Chancellor.
2. Prof. Debashis De, MAKAUT,WB
3. Prof. Santanu Phadikar- Director of Academic Affairs (In-house)- Member
4. Dr. SubhashisDatta, Controller of Examinations, MAKAUT.WB
5. Dr. BivashMallick-Head, Department of Robotics and Additive Manufacturing Technology, MAKAUT,WB-Member
6. Prof. Sutapa Mukherjee – Member Academic Council
7. Prof. Ivy Majumdar – Member Academic Council
8. Prof. Santanu Das, Kalyani Govt. Engineering College- Member
9. Prof. Sanjay Das Neogi, Techno International Newtown- Member
10. The Information Scientist, MAKAUT,WB – with the request to kindly upload this in our University website.
11. Office File.
12. Guard File.

(Dr. S. K. Maity)
Registrar (Addl. Charge)
& Inspector of Colleges
MAKAUT,WB

Please find below the Board of Studies approved Course Structure for the Industrial Engineering and Management for the First Year First and Second Semesters.

First Year First Semester							
Sl. No.	**Category**	**Subject Code**	**Subject Name**	**Total No. of contact hours**			**Credits**
L		**T**		**P**			
Theory							
1	Basic Science course	BS-M101	Mathematics –I	3	0	0	3
2	Basic Science course	BS-PH101	Physics	3	0	0	3
3	Engineering Science Course	ES-EE101	Basic Electrical & Electronics Engineering	2	0	0	2
4	Ability Enhancement Course	AEC-101	English for Communication Skills	2	0	0	2
Total Theory				**10**	**0**	**0**	**10**
Practical/ Sessional							
1	Basic Science course	BS-PH191	Physics Lab	0	0	2	1
2	Engineering Science Courses	ES-ME191	Workshop Practice	0	0	4	2
3	Engineering Science Course	ES-EE191	Electrical & Electronics Engineering Lab	0	0	4	2
4	Value Added Course	VAC-181	NCC / NSS / Yoga and Sports	0	0	0	3
5	Skill Enhancement Course	SEC-182	MOOCs (SWAYM Plus/ Future Skills Prime) or any other practical skills, hands on training, soft skills etc.	0	0	0	3

			offered by the University				
				0	0	10	11
Total Practical/ Sessional							21
Total of First Semester							

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First Year Second Semester							
Sl. No.	Category	Subject Code	Subject Name	Total No. of contact hours			Credits
L		T		P			
Theory							
1	Basic Science course	BS-M201	Mathematics –II	3	0	0	3
2	Basic Science course	BS-BI201	Biology	2	0	0	2
3	Engineering Science Courses	ES-ME201	Mechanics of Materials	3	0	0	3
4	Engineering Science Courses	ES-CS201	Programming for Problem Solving	2	0	0	2
5	Ability Enhancement Course	AEC-201	Essentials for Professional Skills	2	0	0	2
6	Value Added Course	VAC-201	Environmental Science	3	0	0	3
Total Theory				**15**	**0**	**0**	**15**
Practical/ Sessional							
1	Engineering Science Courses	ES-CS291	Programming for Problem Solving Lab	0	0	2	1

2	Engineering Science Courses	ES-ME291	Engineering Graphics & Design	0	0	4	2
3	Ability Enhancement Course	AEC-291	Language Lab	0	0	2	1
4	Skill Enhancement Course	SEC-282	MOOCs (SWAYM Plus/ Future Skills Prime) or any other practical skills, hands on training, soft skills etc. offered by the University.	0	0	0	3
Total Practical/ Sessional				0	0	10	7
(Optional) *Mandatory for exit with* *UG certificate*	Students exiting the program after securing minimum 40 credits will be awarded a UG Certificate in the relevant Discipline /Subject provided they secure 4 credits in work-based vocational courses offered during the summer term or internship / Apprenticeship in addition to 6 credits from skill-based courses earned during the first and second semester.						4*
Total of Second Semester							**22/26***

Based on this BoS Approved Course structure, the Controller of Examinations have prepared a template for all the Engineering Courses.

First Year — Semester I (Common to all programmes)

Sl. No.	Category	Course Code	Course Name	Contact Hours / Week L	T	P	Credits
Theory							
1	Basic Science Course	BS-M101	Mathematics – I	3	0	0	3
2	Basic Science Course	BS-PH101	Physics	3	0	0	3
3	Engineering Science Course	ES-EE101	Basic Electrical & Electronics Engineering	2	0	0	2
4	Ability Enhancement Course	AEC-101	English for Communication Skills	2	0	0	2
5	Value-Added Course	VAC-182	Indian Knowledge Systems (Foundation) — mandatory foundational IKS course	2	0	0	2
Total Theory				**12**	**0**	**0**	**12**
Practical / Sessional							
1	Basic Science Course	BS-PH191	Physics Lab	0	0	2	1
2	Engineering Science Course	ES-ME191	Workshop Practice	0	0	4	2
3	Engineering Science Course	ES-EE191	Electrical & Electronics Engineering Lab	0	0	4	2
4	Value-Added Course	VAC-181	NCC / NSS / Yoga and Sports	0	0	0	3
5	Skill Enhancement Course	SEC-182	MOOCs (SWAYAM Plus / Future Skills Prime) or any other practical skill, hands-on training or soft-skill course offered by the University	0	0	0	3
Total Practical / Sessional				**0**	**0**	**10**	**11**
Mandatory Course (Non-Credit)							
1	Mandatory Course	MC-181	Indian Constitution	2	0	0	NC
Total of Semester I							**23**

First Year — Semester II (Common to all programmes)

Sl. No.	Category	Course Code	Course Name	Contact Hours / Week			Credits
				L	T	P	
Theory							
1	Basic Science Course	BS-M201	Mathematics – II	3	0	0	3
2	Basic Science Course	BS-BI201	Biology for Engineers	2	0	0	2
3	Engineering Science Course	ES-ME201	Mechanics of Materials	3	0	0	3
4	Engineering Science Course	ES-CS201	Programming for Problem Solving	2	0	0	2
5	Ability Enhancement Course	AEC-201	Essentials for Professional Skills	2	0	0	2
6	Value-Added Course	VAC-201	Environmental Science	3	0	0	3
Total Theory				**15**	**0**	**0**	**15**
Practical / Sessional							
1	Engineering Science Course	ES-CS291	Programming for Problem Solving Lab	0	0	2	1
2	Engineering Science Course	ES-ME291	Engineering Graphics & Design	0	0	4	2
3	Ability Enhancement Course	AEC-291	Language Lab	0	0	2	1
4	Skill Enhancement Course	SEC-282	MOOCs (SWAYAM Plus / Future Skills Prime) or any other practical skill, hands-on training or soft-skill course offered by the University	0	0	0	3
Total Practical / Sessional				**0**	**0**	**8**	**7**
(Optional) Mandatory for exit with UG Certificate	*Students exiting the programme after securing a minimum of 40 credits will be awarded a UG Certificate in the relevant discipline, provided they secure 4 credits in a work-based vocational course offered during the summer term, or in an internship or apprenticeship, in addition to the 6 credits from skill-based courses earned during the first and second semesters.*						4*
Total of Semester II							**22 / 26***