Common Entrance Test

(CET)
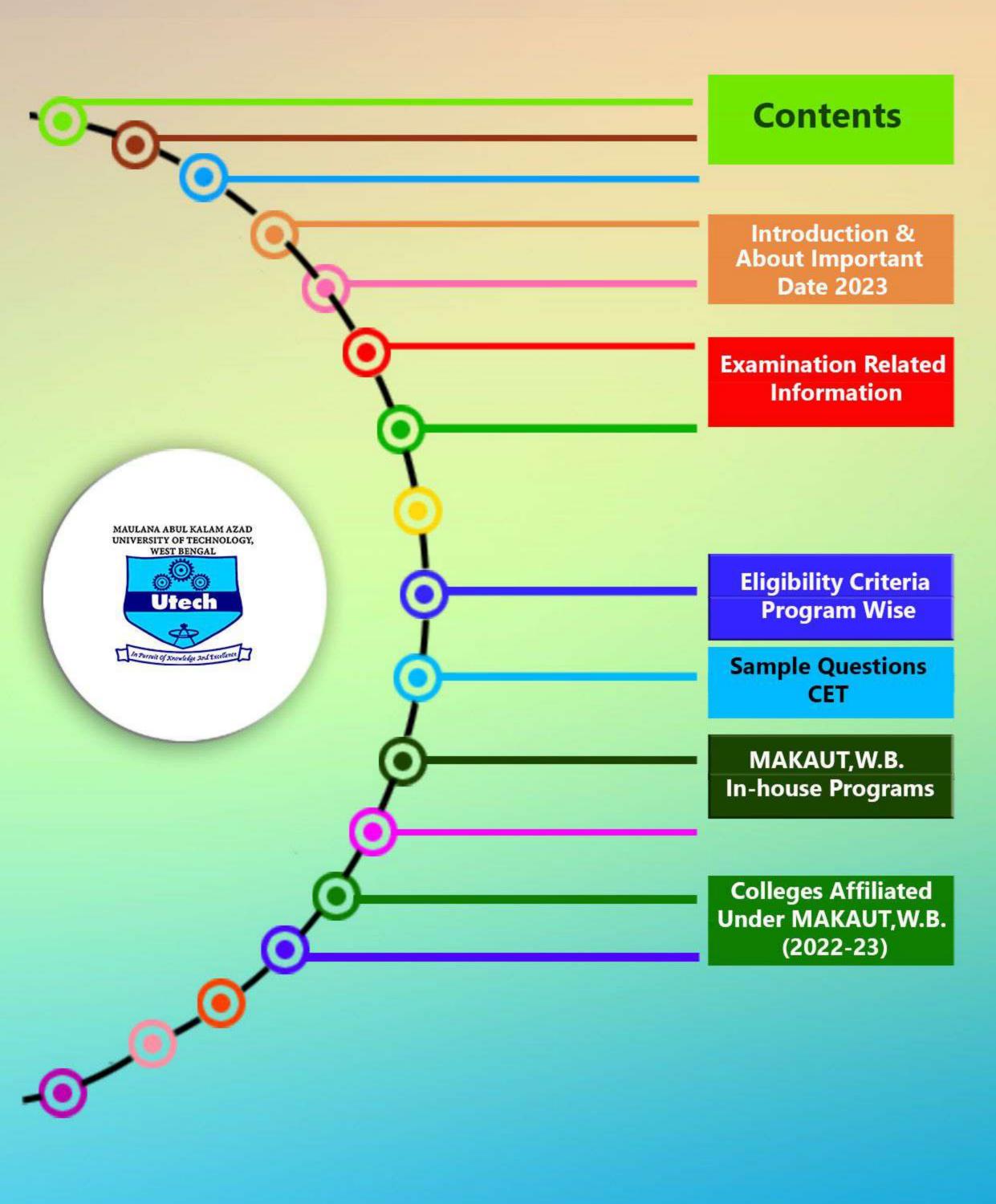
Brochure

2023

📞 033 - 2999 1537 / 8158861610

✉ cet.help@makautwb.ac.in

MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL
(Formerly known as West Bengal University of Technology)

Main Campus -
NH-12 ,(Old NH-34) Simhat ,Haringhata, Nadia,
Pin- 741249, West Bengal

website: www.makautwb.ac.in

Contents

MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL

Utech

In Pursuit Of Knowledge And Excellence

Introduction

- **Common Entrance Test (CET) is an examination for admission to Under-graduate and Post-graduate Programmes (BBA, BCA, B.Sc. & M.Sc.) offered In-house & affiliated colleges under MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WB (MAKAUT)**

About Important Dates 2023

Online Application Opens	30th May , 2023
Last Date for Submission of Online Application	12th June , 2023
Availability of Admit Card on the website for printing	Will be notified later
Online Exam Date	18th June , 2023
Announcement of Results in Website	Will be notified later

Examination Related Information

Eligibility

1. Candidates applying for UG courses should have passed/appeared in 2023 higher secondary examination in the general or vocational stream under the West Bengal Council of Higher Secondary Educations or its equivalent examination.

2. Candidates applying for PG 1 PG 2 courses should have passed/appeared in 3 years Bachelors Degree/ Honours / Major or with a minimum of 140 credit point program from a recognised university.

Exam Group with Syllabus

Group	Syllabus
UG	General Knowledge, Logical Reasoning, English, Numerical Ability
PG 1	General Knowledge, Logical Reasoning, English, Mathematics , Biology or Chemistry
PG 2	General Knowledge, Logical Reasoning, English, Numerical Ability
PG 3	English , Legal Reasoning , Legal Aptitude

Eligibility Criteria Program Wise

■ **There is no upper age limit for applying the courses .**

■ **English as a compulsory subject .**

UG Programs

All UG Programs	Passed / appeared in 2023 in Higher Secondary Examination under the West Bengal Council of Higher Secondary Education or its equivalent examination / Undergraduate Program from a recognized Board / University. Successful candidates from a diverse academic background once admitted in affiliated colleges or in the University In-house courses may have to undergo special prerequisite bridge courses as per student's academic requirement .University will follow the NEP-2020 guidelines related to Curriculum and Credit framework as per which the program would be designed with 4 years duration having exit option currently not before 3rd year.

PG Programs

SL. NO	PROGRAM NAME	DURATION	CATEGORY	ELIGIBILITY
1.	▪M.Sc. (Data Science & Analytics)	2 years	PG 1	Honours/Major or Minimum 140 Credit points earned in Comp. Sc./IT/Mathematics/Physics/Statistics/ Chemistry/BCA or relevant UG program.
2.	▪M.Sc. (Information & Cyber Security)	2 years	PG 1	Honours/Major or Minimum 140 Credit points earned in Comp. Sc./IT/Mathematics/Physics/Statistics/C hemistry/BCA or relevant UG program.
3.	▪M.Sc. in Applied Chemistry	2 years	PG 1	(1)Bachelor Degree with Chemistry (Hons.)/Major or 140 credit point in graduation level is required from any UGC recognized College and University. (2) B. Tech in Chemical Engineering, Chemical Technology, Polymer Science and Technology,Rubber Technology and Metallurgy are eligible for admission in M.Sc. in Applied Chemistry.Science and Technology/ Metallurgy.
4.	▪M.Sc. in Applied Economics	2 years	PG 1	Honours/Major or with a minimum of 140 credit point in Economics or Mathematics or Statisticsor allied subject at undergraduate level or equivalent.
5.	▪M.Sc. in Applied Mathematic	2 years	PG 1	Honours/Major or with a minimum of 140 credit point in Mathematics/ Information Technology/Computer Science/Physics/ Statistics or allied subjects. Graduates of Engineering/Technology are also eligible.
6.	▪M.Sc. in Applied Statistics & Analytics	2 years	PG 1	Honors/ major or with a minimum of 140 credit points in Bachelor's degree in Statistics, Mathematics/ Computer Science or Allied subject from any recognized University.

Eligibility Criteria Program Wise

SL. NO	PROGRAM NAME	DURATION	CATEGORY	ELIGIBILITY
	PG Programs			
7.	▪ M.Sc in Bioinformatics	2 years	PG 1	▪ B.Sc (Honours) or Graduation (Majors) or 140 Credit Point or B.Tech. in any Biological discipline (Bioinformatics, Biotechnology, Food Sc., Genetics, Molecular Biology,Microbiology, Pharmacy, Zoology, Botany, Physiology etc.), Graduate (Honours) in Physics,Chemistry, Mathematics etc., B.Sc. or B.Tech in Computer Science and InformationTechnology, AI, Machine Learning, Data mining, Biomedical Engg., BCA/MCA, B.Pharm,etc.
8.	▪ M.Sc. in Biotechnology	2 years	PG 1	▪ B.Sc. (Hons) in any subject of Life Science from a Recognized University
9.	▪ M.Sc. in Clinical Genetics	2 years	PG 1	▪ Honours/Major or with a minimum of 140 credit point in Life Science/ Genetics/Microbiology/Biotechnoloy/ Biochemistry/ Molecular Biology/ Zoology/Physiology/Agriculture/B.Ph arm.
10.	▪ M.Sc. in Computer Science	2 years	PG 1	▪ Honours/Major or with a minimum of 140 credit point in Information Technology/ComputerScience/Physics /Statistics/ Mathematics/ Chemistry/ Electronics or allied subjects.
11.	▪ M.Sc in Environmental Science	2 years	PG 1	▪ Honours/Major or with a minimum of 140 credit point in B.Sc or B.E/B.Tech in relevant discipline.
12.	▪ M.Sc. in Food Science and Nutrition	2 years	PG 1	▪ Honours/Major or with a minimum of 140 credit point in Food and Nutrition, Food Science/ Bachelor's Degree in any other relevant branch of Science.

Eligibility Criteria Program Wise

SL. NO	PROGRAM NAME	DURATION	CATEGORY	ELIGIBILITY
	PG Programs			
13.	▪ M.Sc in Food Science & Technology	2 years	PG 1	▪Honours/Major or with a minimum of 140 credit point in Food and Nutrition, Food Science/ Bachelor's Degree in any other relevant branch of Science or B.Tech in Food Technology.
14.	▪ M.Sc in Forensic Science	2 years	PG 1	▪Any Science graduate with Honours or Major or Total Credit in UG course is at least 140 and above(Forensic Science; Digital Forensic;Physics; Chemistry; Zoology; Botany;Anthropology; Physiology; Computer Science; Biochemistry; Biotechnology; Life Science; Biological Science; Molecular Biology; Microbiology; Environmental Science; Genetics, Bachelors of Computer Applications, Cyber Security, Information Technology)
15.	▪ M.Sc. in Genetics	2 years	PG 1	▪B.Sc. (Hons) in any subject of Life Science from a Recognized University
16.	▪ M.Sc. in Human Computing & Artificial Intelligence	2 years	PG 1	▪Honours/Major or with a minimum of 140 credit point in Science or a degree in Engineering/ Technology from any recognised University.
17.	▪ M.Sc. in Information Science	2 years	PG 1	▪Honours/Major or with a minimum of 140 credit point in Information Technology/Computer Science/Physics/Statistics/Mathematics/Chemistry/Electronics or equivalent examination
18.	▪ M.Sc. in IT (Big Data Analytics) [BDA]	2 years	PG 1	▪Honours/Major or Minimum 140 Credit points earned in Comp. Sc./IT/Mathematics/Physics/Statistics/Chemistry/BCA or relevant UG program.
19.	▪ M.Sc. in IT (Cryptography and Network Security) [CNS]	2 years	PG 1	▪Honours/Major or Minimum 140 Credit points earned in Comp. Sc./IT/Mathematics/Physics/Statistics/Chemistry/BCA or relevant UG program.

Eligibility Criteria Program Wise

SL. NO	PROGRAM NAME	DURATION	CATEGORY	ELIGIBILITY
	PG Programs			
20.	▪ M.Sc. in IT (Cyber Security) [CS]	2 years	PG 1	▪Honours/Major or Minimum 140 Credit points earned in Comp. Sc./IT/Mathematics/Physics/Statistics/Chemistry/BCA or relevant UG program.
21.	▪ M.Sc. in IT (Data Science) [DS]	2 years	PG 1	▪Honours/Major or Minimum 140 Credit points earned in Comp. Sc./IT/Mathematics/Physics/Statistics/Chemistry/BCA or relevant UG program.
22.	▪ M.Sc. in IT (Artificial Intelligence) [AI]	2 years	PG 1	▪ Honours/Major or Minimum 140 Credit points earned in Comp.Sc./IT/Mathematics/Physics/Statistics/Chemistry/BCA or relevant UG program
23.	▪ M.Sc. in IT (Block Chain Technology) [BCT]	2 years	PG 1	▪Honours/Major or Minimum 140 Credit points earned in Comp. Sc./IT/Mathematics/Physics/Statistics/Chemistry/BCA or relevant UG program.
24.	▪ M.Sc. in IT (Internet of Things) [IOT]	2 years	PG 1	▪Honours/Major or Minimum 140 Credit points earned in Comp. Sc./IT/Mathematics/Physics/Statistics/Chemistry/BCA or relevant UG program.
25.	▪M.Sc. in Materials Science	2 years	PG 1	▪Bachelor's degree from a UGC-recognized university having honours/majoring in Materials Science/Chemical/Physical/Mathematical sciences or other allied science subjects.
26.	▪M.Sc. in Microbiology	2 years	PG 1	▪B.Sc. (Hons) in any subject of Life Science from a Recognized University

Eligibility Criteria Program Wise

		PG Programs		
SL. NO	PROGRAM NAME	DURATION	CATEGORY	ELIGIBILITY
27.	▪ M.Sc. in Molecular Biology	2 years	PG 1	▪ B.Sc. (Hons) in any subject of Life Science from a Recognized University
28.	▪ Master of Optometry	2 years	PG 1	▪ B.Sc in Optometry/ B.Optometry or equivalent.
29.	▪ M.Sc. (Clinical Psychology)	2 years	PG 2	▪ Honours/Major or with a minimum of 140 credit point in Bachelor degree in Psychology or allied subjects from any recognized University.
30.	▪ M.Sc. (Dietetics and Nutrition)	2 years	PG 2	▪ Honours/Major or with a minimum of 140 credit point in Bachelor degree in Dietetics and Nutrition or allied subjects from any recognized University.
31.	▪ M.Sc. (Digital Films)	2 years	PG 2	▪ Honours/Major or with a minimum of 140 credit point in Bachelor degree in Digital Films or allied subjects from any recognized University.
32.	▪ M.Sc. (Fashion Management)	2 years	PG 2	▪ Honours/Major or with a minimum of 140 credit point in Bachelor degree in Fashion Management or allied subjects from any recognized University.
33.	▪ M.Sc. (Visual Communication)	2 years	PG 2	▪ Honours/Major or with a minimum of 140 credit point in Bachelor degree in Visual Communication or allied subjects from any recognized University.
34.	▪ M.Sc. (Yoga)	2 years	PG 2	▪ Honours/Major or with a minimum of 140 credit point in Bachelor degree in Yoga or allied subjects from any recognized University

Eligibility Criteria Program Wise

	PG Programs		

SL. NO	PROGRAM NAME	DURATION	CATEGORY	ELIGIBILITY
35.	▪ M.Sc. in Applied Psychology	2 years	PG 2	▪ Candidates for admission to the first year of the Degree of Masters of Science course "M.SC in APPLIED PSYCHOLOGY" shall be required to have passed / appeared /due-to- appear in 2023 at Under-Graduation final year examination or any equivalent examination (regular or distance mode) conducted under any recognized university with the subject PSYCHOLOGY, or with any relevant subject.
36.	▪ M.Sc. in Film and Television Production	2 years	PG 2	▪ Honours/Major or with a minimum of 140 credit point in Bachelor degree in Film and Television Production or allied subjects from any recognized University
37.	▪ M.Sc. in Hospitality Management	2 years	PG 2	▪ Honours/Major or with a minimum of 140 credit point in Bachelor degree in Hospitality Management or allied subjects from any recognized University.
38.	▪ M.Sc. in Media Science	2 years	PG 2	▪ Graduate with 50% above marks in any stream with Honours or with a minimum of 160 credits and qualify for MAKAUT, WB conducted Common Entrance Test (CET).
39.	▪ Master of Public Health	2 years	PG 2	▪ Honours/Major or with a minimum of 140 credit point in Bachelor degree in Public Health or allied subjects from any recognized University.
40.	▪ Master of Tourism & Travel Management	2 years	PG 2	▪ Honours/Major or with a minimum of 140 credit point in Bachelor degree in Tourism & Travel Management or allied subjects from any recognized University.
41.	Master of Laws (LLM)	2 years	PG 3	▪ A student shall be admitted to LLM Part – I (1st Semester) Two Years course who has passed in LLB(TYC) Degree examination or B.A.LL.B. (Five Years) Degree examination ORin any other equivalent degree of this University/any other recognized University OR as per the criteria notified by this University/UGC from time to time. As per now 50% at least to be secured in LL.B or BBA.LL.B or BA.LL.B and 5% relaxation in marks shall be given to Schedule Caste/ Schedule Tribe candidates.

SAMPLE QUESTIONS CET

1. The language used to write source materials in ancient time was
   A) Sanskrit
   B) Pali
   C) Brahmi
   D) Kharosthi

2. Which of the following countries have an Unwritten Constitution?
   A) USA
   B) UK
   C) Pakistan
   D) India

3. Who was the instigator of Bengal Asiatic Society in 1784?
   A) Warren Hastings
   B) Sir William Jones
   C) James Mackintosh
   D) James Princep

4. Find the odd one out
   A) Mercury
   B) Acetone
   C) Petrol
   D) Kerosene

5. Which word comes second in the English dictionary?
   A) Marmalade
   B) Maritime
   C) Marine
   D) Marigold

CHOOSE THE BEST ALTERNATIVE FOR THE IDIOM/PHRASE (Q NO 6 & 7)

6. His utopian idea was entertaining but no acceptable
   A) Unworthy idea
   B) Imaginary idea
   C) Classic idea
   D) Intelligent idea

7. A small fry
   A) Unimportant
   B) Weak
   C) Little
   D) Important

8. **Who among the following won Nobel Prize in Science in two different disciplines?**
   A) David Lee
   B) Madam Curie
   C) Enrico Fermi
   D) None of the above

9. **Delhi became the capital of India in**
   A) 1917
   B) 1910
   C) 1916
   D) 1931

10. **The Karakoram Highway connects which of the following two countries?**
    A) India and Bangladesh
    B) China and India
    C) India and Nepal
    D) China and Pakistan

11. **When an entire gene has been removed from a chromosome by a mutation it is known as:**
    A) Deletion
    B) Translocation
    C) Substitution
    D) Inversion

12. **ELISA' test is used to diagnose**
    A) Polio virus
    B) AIDS antibodies
    C) Tuberculosis bacterium
    D) Cancer

13. **Among the following which biological tool is used by recombinant DNA technology?**
    A) Hormones
    B) Fluids
    C) Enzymes
    D) None of the above

14. **Which of the following is considered the most unifying concept in biology?**
    A) Taxonomy
    B) Anatomy
    C) Genetics
    D) Evolution

15. **All the following are basic properties of cells except**
    A) Cells have nuclei and mitochondria
    B) Cells have a genetic programme and the means to use it
    C) Cells are capable of producing more of themselves
    D) Cells are able to respond to stimuli

Read the following Question below and answer the following: (16 TO 18)

Ravish and Kamlesh like Hockey and volleyball. Suresh and Ravish like Hockey and Badminton. Giri and Kamlesh like Chess and Vollyball. Suresh, Giri and Mukesh like Football

16. **Who like Chess, Hockey and Volleyball?**
    A) Suresh
    B) Kamlesh
    C) Ravish
    D) Giri

17. **Who likes Badminton, Chess, Football and Volleyball?**
    A) Suresh
    B) Kamlesh
    C) Giri
    D) Ravish

18. **Who likes Hockey, Volleyball and Badminton?**
    A) Suresh
    B) Kamlesh
    C) Ravish
    D) Giri

19. **If 4 x 6 x 2 = 351 and 3 x 9 x 8 = 287, then 9 x 5 x 6 = ?**
    A) 270
    B) 845
    C) 596
    D) 659

20. **In a certain code language 'MIGHT' is written as 'GHMTI' , Then how will 'EARTH' be written in the**
    same code
    A) RTEHA
    B) RTEAH
    C) RTAEH

MAKAUT, WB In-House Programs

UNIVERSITY NAME	COLLEGE ADDRESS	LEVEL OF PROGRAM	NAME OF PROGRAM	INTAKE
Maulana Abul Kalam Azad University Of Technology, West Bengal	NH 12, Haringhata, Post Office-Simhat, Police Station-Haringhata, Pin-741249	PG	• M.Sc. In Applied Mathematics	60
		PG	• M.Sc. In Bioinformatics	15
		PG	• M.Sc. In Food Science & Nutrition	30
		PG	• M.Sc. In Food Science & Technology	30
		PG	• M.Sc. In Media Science	15
		PG	• M.Sc. In Applied Chemistry	60
		PG	• M.Sc. In Applied Economics	30
		PG	• M.Sc. In Applied Psychology	30
		PG	• M.Sc. In Applied Statistics & Analytics	90
		PG	• M.Sc. In Biotechnology	60
		PG	• M.Sc. In Forensic Science	60
		PG	• M.Sc. In Genetics	10
		PG	• M.Sc. In It (Artificial Intelligence) [Ai]	30
		PG	• M.Sc. In It (Cyber Security) [Cs]	30
		PG	• M.Sc. In It (Data Science) [Ds]	60
		PG	• M.Sc. In Materials Science	30

MAKAUT, WB In-House Programs

UNIVERSITY NAME	COLLEGE ADDRESS	LEVEL OF PROGRAM	NAME OF PROGRAM	INTAKE
Maulana Abul Kalam Azad University Of Technology, West Bengal	NH 12, Haringhata, Post Office-Simhat, Police Station-Haringhata, Pin-741249	PG PG	• Master of Laws in Business Law	40
		PG	• M.Sc. in Micro Biology	40
		PG	• M. Sc. in Molecular Biology	10
		UG	• B.Sc. In Animation, Film Making, Graphics & Vfx	30
		UG	• B.Sc. In Bioinformatics	15
		UG	• B.Sc. In Economics	30
		UG	• B.Sc. In Psychology	30
		UG	• B.Sc. In Statistics	30
		UG	• BBA	60
		UG	• BBA In Business Analytics	30
		UG	• BBA In Digital Marketing	30
		UG	• BBA In Hospital Management	120
		UG	• BBA In Travel And Tourism Management	30
		UG	• BCA	90
		UG	• B.Sc. In Materials Science	30
		UG	• B.Sc. In Robotics & Robotics Process Automation	30
		UG	• B.Sc. In Forensic Science	90
		UG	• B.S.c In Mathematics and Computer Application	30
		UEG	• B.S.c In Biotechnology	60
		UG	• B.S.c In Media Science	15

MAKAUT, WB In - House Programs

UNIVERSITY NAME	COLLEGE ADDRESS	LEVEL OF PROGRAM	NAME OF PROGRAM	INTAKE
Maulana Abul Kalam Azad University Of Technology, West Bengal	NH 12, Haringhata, Post Office-Simhat, Police Station-Haringhata, Pin-741249	UG	▪ B.Sc. In Food Science & Technology	30
		UG	▪ B.S.c In IT (Artificial intelligence)	30
		UG	▪ B.S.c In IT(Cyber Security)	30
		UG	▪ B.S.c In IT (Data Science)	30
		UG	▪ B.S.c In Gaming and Mobile Application Development	30

Colleges Affiliated under MAKAUT, WB
(2022 - 23)

- **For Affiliated College list please refer to the University official website:**
  https://makautwb.ac.in/page.php?id=194

- **All the colleges and courses are subject to updation.**

List of Recognized Boards / Councils in India

1. Central Board of Secondary Education, New Delhi
2. National Institute of Open Schooling, New Delhi
3. Council for the Indian School Certificate Examinations, New Delhi
4. Board of Intermediate Education, Andhra Pradesh
5. Board of Secondary Education, Andhra Pradesh
6. A.P. Open School Society, Andhra Pradesh
7. Assam Higher Secondary Education Council, Assam
8. Board of Secondary Education, Assam
9. Bihar School Examination Board, Bihar
10. Bihar Board of Open Schooling and Examination (BBOSE), Bihar
11. Chhatisgarh Board of Secondary Education, Chhatisgarh
12. Chhatisgarh State Open School, Chhatisgarh
13. Goa Board of Secondary and Higher Secondary Education, Goa
14. Gujrat Secondary and Higher Secondary education Board, Gujrat
15. Board of School Education, Haryana
16. H.P. Board of School Education, Himachal Pradesh
17. The J &K State Board of School Education, Jammu
18. Jharkhand Academic Council, Ranchi
19. Govt. of Karnataka Dept of Pre- University Education, Karnataka
20. Karnataka Secondary Education Examination Board, Karnataka
21. Kerala Board of Public Examination, Kerala
22. Kerala Board of Higher Secondary Education, Kerala
23. Board of Vocational Higher Secondary Education, Kerala
24. Maharashtra State Board of Secondary and Higher Secondary Education, Maharashtra

25. Board of Secondary Education, Madhya Pradesh
26. M.P. State Open School Education Board, Madhya Pradesh
27. Board of Secondary Education, Manipur
28. Council of Higher Secondary education, Manipur
29. Meghalaya Board of School Education, Meghalaya
30. Mizoram Board of School Education, Mizoram
31. Nagaland Board of School Education, Nagaland
32. Board of Secondary Education, Odisha
33. Council of Higher Secondary Education, Odisha
34. Punjab School Education Board, Punjab
35. Board of Secondary Education, Rajasthan
36. Rajasthan State Open School, Rajasthan
37. State Board of School examinations(Sec) & Board of Higher Secondary, Tamil Nadu
38. Board of Secondary Education, Telengana State
39. Telengana State Board of Intermediate Education, Telengana
40. Telengana Open School Society, Telengana
41. Tripura Board of Secondary Education, Tripura
42. U.P. Board of High School & Intermediate Education, Uttar Pradesh
43. Board of School Education, Uttarakhand
44. West Bengal Council of Higher Secondary Education, WB
45. The West Bengal Council of Rabindra Open Schooling, WB
46. West Bengal State Council of Technical & Vocational education & Skill Development
47. Maharishi Patanjali Sanskrit Sansthan, New Delhi
48. Urdu education Board, new delhi
49. Bihar Sanskrit shiksha Board, Bihar
50. U.P. Board of Sec. Sanskrit Education Sanskrit Bhawan, Uttar Pradesh

List of Recognized Boards / Councils in India

51. Assam Sanskrit Board, Assam
52. Jamia Milia Islamia, New Delhi
53. Uttrakhand Sanskrit Shiksha Parishad, Uttrakhand
54. State Madrassa Education, Assam
55. Bihar State Madrassa Education Board, Bihar
56. West Bengal Board of Madrassa Education, WB
57. Chhattisgarh Madrassa Board, Chhattisgarh
58. Uttarakhand Madrassa Education Board, Uttarakhand
59. Aligarh Muslim University Board of Secondary & Sr. Secondary Education,UP
60. Indian Council for Hindi & Sanskrit Education, New Delhi
61. Dayalbagh Educational Institute, Agra
62. Banasthali Vidyapith, Rajasthan
63. Chhattisgarh Sanskrit Board, Raipur
64. Singhania University Board of Secondary & Senior Secondary Education, Rajasthan
65. Bhutan Council for School Examinations & assessment, Bhutan
66. Cambridge Assessment International Examinations, UK
67. Mauritius examination Syndicate, Mauritius
68. Nepal Examination Board, Nepal
69. Pearson Edexcle Ltd., UK
70. International Baccalaureate, Geneva
71. Northwest Accreditation Commission (NWAC), USA
72. Board of Open Schooling and Skill Development, Sikkim