

As Per NEP 2020

University of Mumbai



Title of the program

- A- U.G. Certificate in Biomedical Instrumentation
- B- U.G. Diploma in Biomedical Instrumentation
- C- B.Sc. (Biomedical Instrumentation)
- D- B.Sc.(Hons.) (Biomedical Instrumentation)

(Garware Institute of Career Education and Development)

Syllabus for Semester- Semester I and II

Ref: GR dated 20th April,2023 for Credit Structure of UG

(with effect from the academic year 2023-24 Progressively)

UNIVERSITY OF MUMBAI



(AS PER NEP 2020)

Sr. No.	Heading	Particulars	
1	Title of program O: _____ A	A	U.G. Certificate in Biomedical Instrumentation
	O: _____ B	B	U.G. Diploma in Biomedical Instrumentation
	O: _____ C	C	B.Sc. (Biomedical Instrumentation)
	O: _____ D	D	B.Sc.(Hons.) (Biomedical Instrumentation)
2	Eligibility O: _____ A	A	12 th Science Admissions on the basis of Written Test & Interview. 50% passing marks in the Entrance assessment.
	O: _____ B	B	1. Lateral Entry to be granted to the candidate who has successfully completed U.G. Certificate in Biomedical Instrumentation. 2. Lateral Entry to be granted to the candidate who's Under Graduate Certificate credits are 60% equivalent to U.G. Diploma in Biomedical Instrumentation & he/she earns minimum 8 Credits from U.G. Certificate in Biomedical Instrumentation with 12 th Science 3. As per NEP criteria on the basis of RPL- Recognition of Prior Learning, Candidate to be admitted to 2 nd Year subject to He/she securing minimum 50% in the 1 st Year assessment of U.G. Certificate in Biomedical Instrumentation with 12 th Science
	O: _____ C	C	1. Lateral Entry to be granted to the candidate who has successfully completed U.G. Diploma in Biomedical Instrumentation. 2. Lateral Entry to be granted to the candidate

			<p>who's Under Graduate Diploma credits are 60% equivalent to B.Sc. (Biomedical Instrumentation) & he/she earns minimum 8 Credits from U.G. Diploma in Biomedical Instrumentation with 12th Science</p> <p>3. As per NEP criteria on the basis of RPL- Recognition of Prior Learning, Candidate to be admitted to 3rd Year subject to He/she securing minimum 50% in the 2nd Year assessment of U.G. Diploma in Biomedical Instrumentation with 12th Science</p>
	O: _____ D	D	1. Lateral Entry to be granted to the candidate who has successfully completed B.Sc. (Biomedical Instrumentation) with distinction.
3	Duration of Program R: _____	A	1 Year
		B	2 Years
		C	3 Years
		D	4 Years
4	R: _____ Intake Capacity	30	
5	R: _____ Scheme of Examination	NEP 50% Internal – Continuous Evaluation 50% External- Semester End Examination Individual Passing in Internal and External Examination	

6	Standards of Passing R:_____	50% in each component	
7	Credit Structure R:_____	Attached herewith	
8	Semesters	A	Sem I & II
		B	Sem I, II, III, & IV
		C	Sem I, II, III, IV, V, & VI
		D	Sem I, II, III, IV, V, VI, VII & VIII
9	Program Academic Level	A	4.5
		B	5.0
		C	5.5
		D	6.0
10	Pattern	Semester	
11	Status	New	
12	To be implemented from Academic Year Progressively	From Academic Year 2023-24	

Dr. Keyurkumar M. Nayak,
Director,
UM-GICED

Prof. (Dr.) Shivram S. Garje
Dean, Faculty of Science