

UNIVERSITY OF MUMBAI
No.UG/ 285 of 2005

CIRCULAR :

Attention of the Director, Institute of Science and Principals of the affiliated colleges in the faculty of Science is hereby invited to the Ordinances, Regulations and Syllabi relating to the Master of Science (M.Sc. Parts I & II) vide pamphlet No.175 and to this office Circular No.UG/390 of 2004 dated 4th September, 2004 and they are hereby informed that the recommendation made by the Board of Studies in Chemistry at its meeting held on 2nd May, 2005 has been accepted by the Academic Council at its meeting held on 14th June, 2005 vide item No.4.21 and subsequently approved by the Management Council at its meeting held on 18th June, 2005 (vide item No.4) and that in accordance therewith O.2441 relating to the eligibility criteria prescribed for admission to the newly introduced M.Sc. (Applied and Industrial Chemistry) degree course under Serial No.8 and that the Ordinance has been amended to read as under :-

O.2441 : A candidate for being eligible for admission to the M.Sc. degree course in the branches other than the branches of Molecular Biology, Computer Science, Biochemistry, Biophysics, Fisheries Management, Life Sciences and Information Technology must have passed :-

- (a) the B.Sc. (three year integrated course) degree examination of this University with at least seven units (i.e. the minimum required for majoring in a subject) in that subject which he wants to offer for the M.Sc. degree course.
OR
- (b) the B.Sc. (old four year course) degree examination of this University.
OR
- (c) an examination of another University recognized as equivalent thereto.
OR
- (d) Candidates who have passed the B.Sc. (old four year course) degree examination of this University (or an examination of another University recognised as equivalent thereto) with the following combinations of subjects will be eligible for admission to the M.Sc. degree course in the branches of (i) * Molecular Biology and (ii) *Computer Science.

(i) *MOLECULAR BIOLOGY

The candidate must have passed the B.Sc. (old course) degree examination with one of the following as the principal subject :-

Chemistry
Biochemistry
Physics
Mathematics
Botany
Zoology
Microbiology
Any other branch of Biology

(ii) *COMPUTER SCIENCE

The candidate must have passed the B.Sc. (Old course) degree examination with the following combination of subjects :-

PRINCIPAL

Mathematics (Revised course)

OR

Physics

OR

Statistics

OR

The Bachelor of Engineering (B.E.) degree examination.

SUBSIDIARY

Mathematics

Mathematics

Candidates who have passed the B.Sc. (three year integrated course) degree examination of this University (or an examination of another University recognized as equivalent thereto) with the following combination of subjects will be eligible for admission to the M.Sc. degree course in the branches of (1) Molecular Biology (2) Computer Sciences (3) Biochemistry (4) Biophysics (5) Fisheries Management (6) Life Sciences (7) Information Technology and (8) Applied and Industrial Chemistry.

(i) *MOLECULAR BIOLOGY

The candidate must have passed the B.Sc. (old course) degree examination with one of the following as the principal subject :-

Chemistry
Biochemistry
Physics
Mathematics
Botany
Zoology
Microbiology
Any other branch of Biology

(ii) *COMPUTER SCIENCE

The candidate must have passed the B.Sc. (Old course) degree examination with the following combination of subjects :-

PRINCIPAL

SUBSIDIARY

Mathematics (Revised course)

OR

Physics

Mathematics

OR

Statistics

Mathematics

OR

The Bachelor of Engineering (B.E.) degree examination.

Candidates who have passed the B.Sc. (three year integrated course) degree examination of this University (or an examination of another University recognized as equivalent thereto) with the following combination of subjects will be eligible for admission to the M.Sc. degree course in the branches of (1) Molecular Biology (2) Computer Sciences (3) Biochemistry (4) Biophysics (5) Fisheries Management (6) Life Sciences (7) Information Technology and (8) Applied and Industrial Chemistry.

(1) MOLECULAR BIOLOGY

The candidates must have passed the B.Sc. (three year integrated course) examination with any of the following subjects as a major subject i.e. with at least 7 units :-

- i) Chemistry
- ii) Biochemistry
- (iii) Physics
- (iv) Mathematics
- (v) Botany
- (vi) Zoology
- (vii) Microbiology
- (viii) Any other branch of Biology
- (ix) Life Sciences

2) COMPUTER SCIENCE

The candidate must have passed the B.Sc. (Old course) degree examination with the following combination of subjects :-

MAJOR

Mathematics

Physics

Statistics

The Bachelor of Engineering (B.E.) degree examination.

The B.Sc. (Computer Science)/BCS/B.Sc.(I.T.) degree examination.

ANCILLIARY

Mathematics (4 Units)

Mathematics (4 Units)

3) BIOCHEMISTRY

A candidate for being eligible for admission to the M.Sc. degree course in Biochemistry must have passed :-

The B.Sc. (three year integrated course) degree examination of this University:-

- i) with at least seven units in Bio-chemistry (i.e. the minimum required for majoring in a subject)
OR
- ii) with 3 units in Biochemistry at T.Y.B.Sc. in combination with 3 units of any other major subject at T.Y.B.Sc.
OR
- iii) with minimum 4 units in Chemistry, 3 units of Bio-chemistry and 7 units in any of the Biological sciences.
OR
- iv) with Chemistry as a main/major/principal subject at the B.Sc. degree examination of this University or equivalent degree of other University.
OR
- v) with Biochemistry as a main/major/principal subject at the B.Sc. degree examination in case of University other than the University of Mumbai.

4) BIOPHYSICS

The candidate who have either passed/appeared for B.Sc. degree examination of University of Mumbai or any other University recognized as equivalent thereto with the following combination of subjects :-

Physics - Chemistry, Chemistry + Biology, Life Sciences - Biochemistry, Microbiology and Biotechnology. A candidate must have secured minimum 55% marks at the B.Sc. examination.

5) FISHERIES MANAGEMENT

The candidate must have passed -

The B.Sc. (three year integrated degree course) examination of the University of Mumbai with at least 7 units (this is the minimum required for major in a subject) with the combinations as stated below :

7 units in Zoology or Life Sciences or Botany or Microbiology, plus two units in Chemistry.

6) LIFE SCIENCES

- (i) the Bachelor's degree in the faculty of Science in the subjects of Life Sciences; Botany, Zoology, Microbiology and Biochemistry of this University or equivalent degree of recognized Universities;
OR
- (ii) the Bachelor's degrees in the faculty of Medicine of this University or of recognized Universities.
OR
- (iii) the Bachelor's degree in the faculty of Technology of this University or of recognized Universities with the background of courses in Life Sciences.
OR
- (iv) the Bachelor's degree in Agriculture or Veterinary Sciences of recognized Universities.

The candidates will be entitled for admission to the M.Sc. degree course in Life Sciences only after passing the written test and viva/interview to be conducted by the University Department of Life Sciences. The programme for the written test and the interview will be as per the notification to be issued by the University Department of Life Sciences.

Further that 50% of the seats allotted for the M.Sc. degree in Life Sciences be reserved for students passing the B.Sc. degree of this University with Life Sciences as their major subject.

(7) INFORMATION TECHNOLOGY

All the admissions will be made on merit (i.e. percentage of aggregate marks secured for the qualifying examination). Reservation criteria shall be followed as prescribed by the Government at the time of admission.

The candidate must have passed the B.Sc. degree in Information Technology of the University of Mumbai or any other recognized University with minimum 45 percent of marks.

OR

B.Sc. in Computer Science/BCS with minimum 45 percent marks.

OR

B.E. degree in any branch with 45 percent marks.

(8) APPLIED AND INDUSTRIAL CHEMISTRY

All the admissions will be on merit (i.e. percentage of aggregate marks secured for the qualifying examination). Reservation criteria shall be followed as prescribed by the Government at the time of admission.

The candidate must have passed the B.Sc. degree in chemistry of the University of Mumbai or any recognized University with minimum 50% of marks.

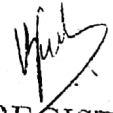
OR

The B.Sc. (three year integrated course) degree examination of this University with at least seven units (i.e. the minimum required for majoring in a subject) in that subject which he/she wants to offer for the M.Sc. degree course.

Students should also have Mathematics as one of the subjects at 12th Std. H.S.C. examination.

Further that the eligibility criteria prescribed under O.2441 for admission to the M.Sc. degree course in Applied and Industrial Chemistry has been brought into force with effect from the academic year 2005-2006.

Mumbai 400 032
12th July, 2005


for REGISTRAR.

To.

The Director, Institute of Science and the Principals of the affiliated Colleges in the faculty of Science.

A.C. 4.21/14.06.05

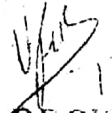
M.C. 4/18.06.05

No.UG/ 285-A of 2005

12th July, 2005

Copy forwarded with compliments to the :-

- 1) the Dean, Faculty of Science
- 2) the Chairman, Board of Studies in Chemistry.


for REGISTRAR.