

Admission to MSc Part – I programme for Academic year 2026-27

MSc BIOANALYTICAL SCIENCES

The students applying for admission to the MSc Bioanalytical Sciences in our college are hereby informed, that they will be enrolling for two years Postgraduate programme, having the pattern/scheme given under National Education Policy (NEP).

Eligibility:

The students who have done B.Sc. in Biochemistry, Chemistry, Biotechnology, Botany, Life Sciences, Microbiology, Zoology, Environmental Science, (Allied Biological Sciences subjects with credit equivalence), B.Voc in Pharma Analytical Sciences are eligible to apply for M.Sc in Bioanalytical Sciences.

Instructions and Details of Admission to MSc Part I Bioanalytical Sciences

1. There will be an Entrance Test followed by a Personal Interview of eligible candidates for admission to the M.Sc Programme in the subject of Bioanalytical Sciences (Notification for the entrance examination including its venue, syllabus, schedule, and evaluation criteria for personal interview will be uploaded on the SIES College website and candidates can contact the faculty from Department of Bioanalytical Sciences).
2. The final selection of students for the M.Sc Programme in the subject of Bioanalytical Sciences will be based on TYBSc Semester V marks, Entrance examination and Personal interview.
3. The student should have passed TYBSc Semester VI exam, and the student should not have any ATKT (Allowed To Keep Terms) during confirmation of admission to M.Sc programme.
4. The student should not have any pending ATKTs (Allowed To Keep Terms) from earlier Semesters (I, II, III, IV).
5. In case the student has an academic gap (student who has done graduation/T.Y.B.Sc earlier than the academic year 2025-26) then, student is required to submit a gap certificate/affidavit at the time of submission of application form.
6. Students should note that all admissions are strictly provisional until students comply with the eligibility criteria and verification of documents
7. The total number of seats available for the M.Sc Programme in the subject of Bioanalytical Science are 20 (Twenty).
8. The student/parents are welcome to visit the Department of Bioanalytical Sciences, so that, they can meet and interact with the faculty and see the laboratory facilities/infrastructure in the Department of Bioanalytical Sciences.
9. For subject-specific details such as Syllabus, Internship/On Job Training, Research project, Examination pattern, Fee structure, etc., the student can contact the following faculty from the Department of Bioanalytical Sciences:

Dr. Satish Sarfare (Head, Department of Bioanalytical Sciences);

Email: satishs@sies.edu.in

Ms. Pracheta S Salunkhe (Faculty, Department of Bioanalytical Sciences);

Email: prachetas@sies.edu.in



M.Sc in Bioanalytical Sciences
*(An Interdisciplinary Post Graduate Course
Affiliated to University of Mumbai)*

**Department of Bioanalytical Sciences established in
2019, Funded by RUSA (Rashtriya Uchcharar
Shiksha Abhiyan)**

Program: M.Sc (Under National Education Policy
(NEP) 2020 , Choice Based Credit System (CBCS)
[https://drive.google.com/drive/folders/1oMAQUt5xgGdf
W5Uj3poC5kFfxlxuc74E?usp=drive_link](https://drive.google.com/drive/folders/1oMAQUt5xgGdfW5Uj3poC5kFfxlxuc74E?usp=drive_link)

Duration: 2 years, Full-Time **Batch size:** 20 students
per year

Eligibility for admission: B.Sc. in Biochemistry,
Biotechnology, Botany, Chemistry, Life Sciences,
Microbiology, Zoology and B.Voc in Pharma
Analytical Sciences.

Selection criteria for admission: Entrance exam
and personal interview

Application for the course: Interested candidates
have to check notification on SIES College website
<http://www.siesascs.edu.in/>

Objectives: M.Sc in Bioanalytical Sciences is an
Interdisciplinary course specifically planned to address the
need of trained personnel in chemical, pharmaceutical
industries, and industries manufacturing ASU (Ayurveda,
Siddha and Unani) formulations and R&D (Research and
Development) Organizations.

Purpose and Rationale: The curriculum for this course has
been designed by experts from industries, scientists from
research institutions and academicians with special
emphasis on hands on training of instruments and exposure
to industries.

Relevance and Impact: The course has received positive
feedback from students, teachers and researchers and this
course also serves as an ideal platform for industry-
academia collaboration and job opportunities in
pharmaceutical and allied industries.

Highlights of the Course:

- ✓ Guest Lectures by experts / visiting faculties from Industries/Research Institutes
- ✓ Hands-on training on analytical instruments
- ✓ Industrial Visits/ Field Trips and visits to Laboratories
- ✓ Industrial Training/ Internship
- ✓ Project work: AYUSH/ Research Component
- ✓ Bridge Lectures for students from Chemical and Biological Sciences to bridge the academic gap at the undergraduate level
- ✓ Assistance in Internship / Placements
- ✓ Cultural and Literary festival of the Department “Dravyashastram”

Extra-Curricular Activities in 2022-2023

- ✓ *Demonstration of Electrophoretic Separations* by Resource personnel from Technocraft Company Mr. Mustafa Motiwalla
- ✓ *A Day Visit to Vasantdada Sugar Institute, Manjari Budruk, Pune*
- ✓ *Demonstration of GC and HPTLC* by Resource Personnel from Shimadzu Pvt. Ltd. & Anchrom Enterprises
- ✓ *Seminar on Awareness about Intellectual Property Rights* by Mr. K Narayanmurthy (Indian Patent Officer, Examiner of Patents and Designs Group ‘A’ Gazetted NIPAM Officer)

Ph.D. program in Bioanalytical Sciences

Program: Ph.D.

Course / Subject: Bioanalytical Sciences

Number of seats: 06

Research Guide: 01

Name of Research Guide: Dr. Satish S Sarfare

Research interest: Natural Products, Extraction and Isolation of phytochemical compounds, Toxicity, Efficacy and Pharmacokinetic studies using animal models, and Bioanalytical method development.

Contact Details: satishs@sies.edu.in

Bioanalytical Sciences Laboratory and Pharmacopoeias



Key Initiatives

a) Offline Workshops conducted

- ✓ “Training and Skill Development in Instrumentation and Bioanalytical Techniques” under the aegis of RUSA (Beneficiaries: Post Graduate students)
- ✓ “Inculcating research aptitude and developing research skills” under the aegis of RUSA (Beneficiaries: Undergraduate and Post Graduate students)

b) Popular Science Lecture Series

c) Orientation sessions for students on

- ✓ “Opportunities in Pharmaceutical Industries”
- ✓ ‘All India Cadre of Safe Food Business Professionals’ Young Talent Search

Dissolution Unit
(VEEGO)



Friability Unit (VEEGO)



Electrophoresis Units
(TECHNOCRAFT)



Disintegration
Unit (VEEGO)

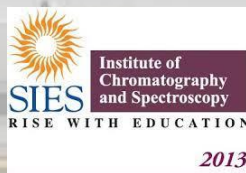
Gas Chromatograph
(SHIMADZU)

Analytical
Balance
(SHIMADZU)

BOD incubator
(BIOTECHNICS)

HPTLC Spotter
(CAMAG)

Linkages and Collaborations



Contact Details:

Dr. Satish Sarfare

Vice Principal and Course Coordinator

Email: satishs@sies.edu.in

Ms. Pracheta S. Salunkhe

Faculty and Mentor

Email: prachetas@sies.edu.in

