

**Shree Manibhai Virani and Smt. Navalben Virani Science College, Rajkot
(Autonomous)**

Affiliated to Saurashtra University, Rajkot

Department of Chemistry
Integrated B.Sc.-M.Sc. Chemistry

Regulations for Students Admitted From A.Y. 2016-2017 & Onwards

ELIGIBILITY

Candidate who has passed 02 years Higher Secondary Certificate (10+2) examination with Science subjects in respective streams of Gujarat State or any other examination recognized as equivalent thereto with a good academic record, shall be eligible for admission, subject to such other conditions prescribed by the Saurashtra University and State Government from time to time. All admissions are provisional and subject to the approval of Saurashtra University.

A candidate having the degree of B.Sc. Chemistry from any university recognized by UGC may get admission in the fourth year of this program, But these students will get only a Degree in M.Sc. Chemistry and not Integrated B.Sc.-M.Sc. Chemistry Degree.

DURATION OF THE PROGRAMME

The Programme shall extend over a period of five years comprising of ten semesters with two semesters in one academic year. Each semester normally consists of 90 teaching days. Examination shall be conducted as continuous internal assessment (CIA) as well as semester end examination (SEE).

Options of exit and entry:

I. Option of exit after 1st 3 years of study

- On earning total 146 credits at the end of 1st 3 years of study, a **B.Sc. Degree** in Chemistry will be given.

II. Option of exit after 1st 4 years of study (Two certificates will be given)

- On earning total 146 credits at the end of 1st 3 years of study and
- On earning 49 credits (addition to above mentioned total 146 credits, i.e. on earning total 195 credits) at the end of 4th year of study
- B.Sc. Degree in Chemistry and PG Diploma in Chemistry will be awarded.

III. Total credits to earn Integrated PG Degree

- On earning total 242 credits at the end of all the 5 years of study a B.Sc. and M.Sc. Degree viz Integrated B.Sc.-M.Sc. Degree in Chemistry will be given.

IV. Option of Lateral entry in the fourth year

- Candidate entering in Fourth Year will have to earn total 96 credits and these students will get only M.Sc. Chemistry and not Integrated B.Sc.-M.Sc. Degree.
- Such candidates will not be permitted to exit at the end of fourth year of study.

STRUCTURE OF THE PROGRAMME

The Integrated B.Sc.-M.Sc. Chemistry programme shall have a curriculum comprising theory and practical courses with a specified syllabus. The curriculum of the programme is a blend of theory courses and practical courses as Core, Discipline Specific Electives (DSE) and Generic Electives (GE). In addition competency and skill development courses as Ability Enhancement Courses (AEC) and Skill Enhancement Courses (SEC) shall be offered. Project, internship/training courses will be compulsory between 4th and 5th semesters and during 9th and 10th semesters. After successful completion of Semester 8th, student shall have option to choose specialization in Organic Chemistry **OR** Analytical Chemistry in their semester 9th & 10th.

The medium of instruction and examinations shall be English except for courses on languages other than English.

EVALUATION

The evaluation shall generally comprise of Continuous Internal Evaluation (CIE) and Semester End Examination (SEE) with percentage weightage as specified below, unless specified otherwise in the Scheme of Instruction and Examinations.

<i>Theory Courses</i>		<i>Practical Courses</i>	
Continuous Internal Evaluation (CIE)	30%	Continuous Internal Evaluation (CIE)	40%
Semester End Examination (SEE)	70%	Semester End Examination (SEE)	60%

For the purpose of computation of credits the following mechanism is adopted:

- 1 hour instruction of Theory = 1 Credit
- 1 hour instruction of Tutorial = 1 Credit
- 2-3 hours instructions of Practical = 1 Credit

ISSUE OF MARK-SHEET AND DEGREE CERTIFICATE

The college shall declare the result after evaluation and with the recommendations of Result Passing Board at the end of each semester and issue the mark sheet for each semester. On approval/ratification of the results by the Academic Council, the candidate will be recommended to Saurashtra University for the award of the degree on completion of all the courses and components of the curriculum.