



**Sarvodaya Kelavani Samaj managed,  
Shri Manibhai Virani and Smt. Navalben Virani Science  
College (Autonomous)**

**(Affiliated to Saurashtra University, Rajkot)**

Re-Accredited at 'A' Level by NAAC

STAR college Scheme & Status by MST-DBT

UGC-College with Potential for Excellence (CPE)

UGC-DDU KAUSHAL Kendra

GAAA –Grade A-1 by KCG, Government of Gujarat

GPCB-Government of Gujarat approved Environment Audit Center

Nodal Center for capacity building by GSBTM

**Department of Chemistry**  
**B. Sc. Chemistry**  
**Regulations for Students Admitted from A.Y. 2021-22 & Onwards**

**ELIGIBILITY**

Candidates for admission to the first semester of B.Sc. degree programmes should have passed a 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. They shall also satisfy the conditions regarding the minimum marks; age and physical fitness as may be prescribed by the Academic Council of College, from time to time, keeping the minimum requirements of UGC as the base requirement.

**LATERAL ENTRY**

Candidate seeking admission directly in third semester of B.Sc. Chemistry must have passed Examination of Diploma in Chemical Engineering or Pharmacy or any relevant programmes from any recognized Technical Board/University as approved by the Academic Council/ Board of Management/ Governing Body of college or other regulatory body as equivalent thereto from time to time. (A result of lateral entrant will be declared by considering his/her marks of semester 3 to 6 in aggregate and accordingly class will be awarded as per prevailing rules & regulations). They shall also satisfy the conditions regarding the minimum marks; age and physical fitness as may be prescribed by the Academic Council of college, from time to time, keeping the minimum requirements of UGC as the base requirement.

**DURATION OF THE PROGRAMME**

The Program

1. Shall extend over a period of three years comprising of six semesters for candidates taking admission in 1<sup>st</sup> semester
2. Shall extend over a period of two years comprising of six semesters for lateral entrants
3. Comprises of two semesters in one academic year wherein each semester normally will be of minimum 90 teaching days.

### **CHOICE BASED CREDIT SYSTEM (CBCS)**

The CBCS provides an opportunity for the students to choose courses from the prescribed courses based on their interest. Mainly, each course is worth a certain number of credit points, determined by different criteria including learning outcome, contact hours etc.

The following mechanism is adopted for the purpose of computation of credits earned by the students:

- a) 1 hour instruction of Theory = 1 Credit
- b) 2-3 hours instruction of Tutorial = 1 Credit
- c) 2-3 hours instructions of Practical = 1 Credit

### **OUTCOME BASED EDUCATION (OBE)**

Outcome based education is based on revised Bloom Taxonomy and is a learner-centric teaching and learning methodology in which the course delivery and assessment are planned to achieve stated objectives and outcomes. It focuses on measuring students performance i.e. outcomes at different levels. OBE method of learning is adopted.

### **STRUCTURE OF THE PROGRAMME**

UG program shall have a curriculum comprising theory and practical (separate / in built with theory) courses with a specified syllabus. The curriculum of the program is a blend of Language Courses, Core Courses, Interdisciplinary Courses (IDC), Discipline Specific Electives (DSE), Tran Disciplinary Electives (TDE) and Ability Enhancement Courses (AEC) shall be offered.

### **MEDIUM OF INSTRUCTION AND EXAMINATIONS**

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 Assessment (CIA) and Semester End Examination (SEE) with percentage weightage as specified below, unless specified otherwise in the Scheme of Learning and Evaluation.

<b>Components</b>	<b>Theory Courses</b>	<b>Practical Courses</b>
Continuous Internal Assessment (CIA)	Varies from 30 percent to 60 percent based on the nature of course.	Varies from 40 percent to 100 percent based on the nature of course.
Semester End Examination (SEE)	Varies from 70 percent to 40 percent based on the nature of course.	Varies from 40 percent to 60 percent based on the nature of course.

## **COMPLETION OF PROGRAM TO EARN THE DEGREE CERTIFICATE**

The University shall publish the result after evaluation and with the recommendations of Result Passing Board at the end of each semester. On approval / ratification of the results by the Academic Council, the student will be recommended to Governing Body for the award of the degree provided that the student have earned all the credits towards mandatory course / components as mentioned in Scheme of Learning and Evaluation.

## **MINIMUM QUALIFICATION FOR APPOINTMENT OF FACULTY MEMBER**

As per norms of UGC and./or other related Regulatory body