

**Note:**

1. Those students who are NOT eligible for promotion to next year shall have to reappear in the coming examination as ex-students. However, the marks of internal assessment shall be carried forward in such cases.
2. Scrutiny facility and Challenge evaluation facility shall be available for those students who want to improve their grades.

**Programme out comes(POs):**

- ✓ The 3-Year B.Sc. programme with Geology as a Major Subject is designed with the objective of educating students for success as a geo-scientist having employability in government sector, public sector, private sector, research institutes, or further qualifying JAM, NET, GATE or other national examinations so as to pursue further study including Doctoral studies.
- ✓ The students are likely to get regular placements in GSI, ONGC, CIL, MECL etc. apart from reputed private organizations related to industries, mineral exploration & mining industries and organizations working in the fields of exploration using remote sensing & GIS Techniques.
- ✓ The holistic development of students helps them in getting placements in various national institutes like GSI, AMD, MECL, ONGC, COAL INDIA LTD, WIHG, PRL, NGRI etc.

**Programme Specific Outcomes (PSOs):**

- ✓ During the proposed eight semesters, students will be able to identify, examine and understand different geological materials,
- ✓ geological Setting and associations.
- ✓ The students with their robust foundation learn to interpret various geological maps, prepare cross sections, geologic field mapping, understanding of stratigraphic concepts, geological successions of Precambrian to Recent rocks, sediments and their lateral and vertical disposition; rock identification on the basis of minerals composition and basic physical, megascopic and microscopic characters.
- ✓ They learn about the origin and evolution of land forms, fossil identification up to generic level, their evolution and mode of life, in-depth understanding of the sedimentary structures and facies analysis, various rock types based on petrological thin sections, palaeoclimatic and palaeogeographic changes, origin and distribution of economic mineral and energy resources of the country etc.
- ✓ The students also develop basic aptitude and understanding of the environmental issues related to planet earth.
- ✓ Geological excursion would be an important component of the 4-year B.Sc. Programme in Geology for laying a robust foundation for the budding geologists. Students will get exposure of actual rocks during geological excursion. Students will learn about data collection, measurements and their interpretations.
- ✓ Exploration for economically useful Earth material is another important outcome of the present program.
- ✓ During the Major Project, students will take-up a geological problem utilize theoretical knowledge along with analytical or experimental approach to solve it. The students will have to defend their Project outcome in an open forum.
- ✓ The course 'Research Methodology' has been designed to make the students learn the basics of research work, to develop research skills and to encourage them to pursue research in various fields of Geology.