

SRI DURGA MALLESWARA SIDDHARTHA MAHILA KALASALA, VIJAYAWADA

(An Autonomous College Under the Jurisdiction of Krishna University, Machilipatnam)



B.SC HONOURS MICROBIOLOGY

B.Sc. Honours (Microbiology) is a 4-year undergraduate degree programme, which deals with the study of the biology of microscopic organisms - viruses, bacteria, algae, fungi, slime molds, and protozoa. Microbiology is an exploration of beneficial microbes and it deals with the structure and function of the microorganism. Microbiology is one of the existing as well as ever-developing fields of science and it consists of a greater scope, as the microbe plays an important role in day-to-day life.

ABOUT B.SC HONOURS (MICROBIOLOGY)

- The Bachelor of Science Honours in Microbiology degree course covers subjects and topics like Cell Biology, Basic Microscopy & Instrumentation, Genetics, Principles of Immunology, Medical Microbiology, Industrial Microbiology, Bio-informatics, Recombinant DNA Technology, etc.
- Students are trained in various aspects of Microbiology through guest lecturers, workshops, field trips, paper presentations, projects.

CAREER AND JOB ROLES:

Students with a Bachelor of Science in Microbiology can pursue employment in various sectors like

- ✓ Pharmaceutical and bioscience firms
- ✓ Medical coding
- ✓ Lab Analysts in Hospitals and Diagnostic Centres
- ✓ Biofertilizer and other agro-product Industries
- ✓ Quality Analyst in Food and dairy industries.
- ✓ Research and development
- ✓ Immunologist
- ✓ Water Quality Analyst
- ✓ Clinical Research Scientist
- ✓ Mycologist
- ✓ Professor/Lecturer

FUTURE SCOPE OF B.SC HONOURS MICROBIOLOGY

After completing B.Sc Honours Microbiology students can pursue their Masters in areas like

- Medical Microbiology
- Genetics
- Biotechnology
- Agricultural Microbiology
- Food and dairy Microbiology
- Industrial Microbiology
- Bio-Informatics
- Clinical Research
- Forensic Science, e.t.c.

PROPOSED MINORS:

- Food Science & Technology
- Biochemistry
- Chemistry
- Botany
- Zoology
- Aquaculture
- Computer Science