SRI DURGA MALLESWARA SIDDHARTHA MAHILA KALASALA, VIJAYAWADA-10

(An autonomous college in the jurisdiction of Krishna University)

B.Sc. HONOURS (PHYSICS)

- B.Sc. Honours (Physics) is a four-year undergraduate course that deals with the fundamentals of physics. B.Sc. Honours (Physics) aims in teaching graduates with essential topics such as Quantum Mechanics, Electromagnetism, Optics, Calculus, Semiconductors, Waves, Statistics, etc.
- After completing B.Sc. Honours (Physics), graduates have the scope of getting jobs in both the private and public sectors.
- This programme aims to teach about the fundamentals of physics such as Basics of Electricity, Electromagnetism, Wave Optics, Electronics, Nano Technology, Electrical Appliances, Solar Energy and its Applications etc.

Why Opt for B.Sc. Honours (Physics)

- Physics is a fundamental science that tries to explain how the universe works. Advancement in the field of physics has a direct connection with technological advances. A degree in physics allows students to develop Research skills, Analytical skills, Time management skills, Knowledge of IT, Logical thinking, Problem solving & Experimental skills and intellectual thinking. Physics as a field opens the doors to the most exciting and rewarding jobs.
- Once graduation is completed, students can get the jobs as researchers, teachers, technicians, lab assistants, physicists, etc.
- The purpose of B.Sc. Honours (Physics) is to extend one's knowledge base and career opportunities in the area of science.

Courses after B.Sc. Honours (Physics)

After Completion of graduation, many students choose to do a M.Sc. degree in different fields or get jobs as Researchers, Professors, Lecturers, Teachers Physicists and Lab Technicians etc.

- M.Sc. in Physics (General)
- M.Sc. in Oceanography
- MSc in Meteorology
- M.Sc. in Atmospheric Sciences
- M.Sc. in Electronics (Instrumentation)
- M.Sc. in Applied Physics
- M.Sc. in Nuclear Physics
- M.Sc. in Atomic and Molecular Physics
- Integrated M.Sc. in Physics
- M.Sc. in Geo Physics
- M.Sc. in Bio Physics
- M.Sc. in Astro Physics
- M.Sc. in Nano Technology
- M.Sc. Broadband and Optical Communications

- M.Tech. in Physics
- M.Tech. in Solid State Technology
- M.S in Physics
- M.S in Optics and Materials
- M.S in Optics and Medical Imaging
- Ph.D. in Applied Physics: Applied Optics
- Ph.D. in Physics

Job Opportunities after B.Sc. Honours (Physics)

After completing the B.Sc. Honours (Physics), graduates can get jobs in both the private and public sectors.

- Scientist in ISRO/DRDO/BARC/NIO/CGG/NGRI/IMD/BSC/NIC
- Consulting Physicist
- Research Associate
- Professor /Teacher
- Accelerator Operator
- Data Scientist/Analyst
- Applied/Laser/ Meteorological/Nuclear/Electrical/Software Engineer
- IT Consultant
- Astronomer
- Radiation Oncologist
- Radiologist
- Lab Technician

Proposed Minor courses:

- Chemistry
- Electronics
- Mathematics
- Statistics
- Computer Science