

Wolaita Sodo University Career path prototype

Department of Physics

S. No.	Degree Nomenclature	Expected competence from graduates	Where they are going to be hired
	Bachelor of Science in Physics	<ul style="list-style-type: none"> ✚ Possess a solid knowledge and understanding of modern and classical Physics; along with the associated mathematics and experimental techniques to become instructors at educational institutions; ✚ Possess preparedness to undertake a postgraduate program in Physics and other related multidisciplinary postgraduate programs that require BSc in Physics; ✚ Develop the capability to work as professional physicists in scientific research; Physics-related careers in industry, energy, public service or the media; ✚ Prepared to enter a wide range of professional careers that require and values the analytical, mathematical and computational skills of a well-trained Physics graduate; ✚ Acquire an insight into, and have practice in basic methods of independent research; ✚ Develop investigative skills, to design, carry out, analyze and evaluate experiments; ✚ Apply experimental skills, to use equipment safely; carry out measurements with desired degree of accuracy in laboratories; ✚ Possess information retrieval skills, to gather and extract relevant information from books, journals and other data sources; ✚ Hold information technology skills, to collect, order, analyze and present data using computers and other electronic systems; ✚ Retain interpersonal skills, to communicate effectively with others, both in writing and orally, and to work as part of a team; ✚ Obtain the ability to work independently and organize work to meet desired requirements; ✚ Develop local technologies and adapting technologies for local needs; 	<ul style="list-style-type: none"> ✚ In teaching Physics in the high schools and preparatory schools; ✚ In science and technology agencies; ✚ In the Energy and Environment sector; ✚ as graduate assistants in Universities and Colleges; ✚ In collecting, analyzing and interpreting geophysical data; ✚ In space science research; ✚ In the areas of materials science technology and industry; ✚ In the radiation protection agency and in medicine as radiation expert; ✚ In the area of Meteorology ✚ In the agency for standardization and national quality control; ✚ In the media as Science communicator; working in the area of electronics and energy as a private employee; ✚ To undertake research for further studies in Physics related areas.