

Profile	Description Profile
Ba Physics	
Academic Professional	Graduates will become academic professionals such as prospective teachers, or postgraduate students who work in educational institutions and contribute to the advancement of physics as a discipline. They will be able to apply their knowledge creatively and innovatively to solve problems within the scope of their professional responsibilities.
Researcher	Graduates will become researchers in public or private institutions who are capable of conducting and developing research in the field of physics, relevant to their area of work.
Industrial Practitioner	Graduates will work as professionals in government or private institutions, private companies, or hospitals as medical physicists, or as consultants. They will demonstrate professionalism, responsibility, ethics, entrepreneurial spirit, creativity, and initiative. They are expected to be adaptive, anticipative, and competent in carrying out tasks in the workplace, enabling them to remain competitive in the era of Industry 4.0 and Society 5.0.
Entrepreneur	Graduates will become entrepreneurs who demonstrate professionalism, responsibility, ethical conduct, creativity, initiative, and entrepreneurial spirit. They will be adaptive and anticipative in responding to change, and competent in managing their ventures, enabling them to thrive in the dynamic landscape of Industry 4.0 and Society 5.0.

Aspect	Code	Description
Ba Physics		
Attitudes	PLO-01	Demonstrate religious attitudes and the practice of Pancasila values in community, national, and state life.
	PLO-02	Demonstrate responsibility, honesty, and the ability to think critically, creatively, innovatively, with an entrepreneurial spirit, and professionally in their work.
	PLO-03	Show concern and good behavior towards the conservation of tropical rainforests and their environment.
General Skills	PLO-04	Be able to apply logical, critical, systematic, and innovative thinking for decision-making in their work, within the context of applying science and/or technology.
	PLO-05	Be able to apply scientific principles, procedures, and ethics in the form of a thesis and scientific papers, for the application of science and technology.
	PLO-06	Be able to work independently, expand, and maintain professional networks to contribute to society.
Specific Skills	PLO-07	Be able to apply scientific methods to develop physical models mathematically.
	PLO-08	Be able to analyze various physical problems to find alternative solutions both analytically and computationally for scientific research purposes.
	PLO-09	Be able to produce scientific papers in physics and disseminate them, related to the potential interdisciplinary applications in the context of science, technology, and the management of tropical rainforests and their environment.
Knowledge	PLO-10	Master the theoretical concepts and fundamental principles of classical and modern physics for solving problems in a physical system.
	PLO-11	Be able to apply fundamental physics concepts and principles, as well as technology, in specific fields of expertise such as theoretical physics, materials physics, electronics and instrumentation physics, medical physics, geophysics, and physical oceanography.
	PLO-12	Be able to apply mathematical and computational tools to solve problems in a physical system.
	PLO-13	Be able to adapt and apply their expertise deeply in relation to tropical rainforests and their environment.