

Short interventions outlining:

Regulations:

30 credits/semester or 60 credits/year

- **Bachelor degree: at least 180 credits for 3 years, or 240 credits for 4 years (with accumulation)**

- **Master degree: at least 300 credits for (at least) 5 years education (with accumulation)**

(i) structure of the Physics Programs (no. years/credits/main disciplines),

a) **3 (6 semesters) or 4 years (8 semesters) Bachelor programs; 1-2years Master program (2-4 semesters) ; 3 years PhD, 2 courses (obligatory, no upper limit for elective courses)**

b) **30 credits/semester, or 60 credits/year**

c) obligatory **courses: 2-4/semester; elective courses: 8 credits in the 5th semester, a minimum of 12.5 credits in the 6th semester, a minimum of 2 credits in the 7th semester and a minimum of 20 the credit in the 8th semester.**

- **Bachelor programs** (14 progr):

1. Physics;
2. Quantum and Cosmic Theoretical Physics
3. Nuclear and Particle Physics
4. Astrophysics, Meteorology and Geophysics;
5. Photonics and Laser Physics
6. Medical Physics
7. Optometry
8. Engineering Physics;
9. Communications and Physical Electronics,
10. Computer engineering
11. Nuclear Technology and Nuclear Power Engineering;
12. Secondary School Teacher in Natural Sciences
13. Teacher in Physics and Mathematics
14. Teacher in Physics and Informatics

- **Master programs**

Physics

Optics and Spectroscopy
Theoretical and Mathematical Physics
Nuclear and Particle Physics
Cosmic Research
Fusion Science and Technology
Solid-state Nanotechnology

Astronomy, Meteorology and Geophysics

Astronomy and Astrophysics
Geophysics
Meteorology

Engineering Physics

Quantum Electronics and Lasers Technique
Microelectronics and Information Technologies

Wireless Networks and Devices

Aerospace Engineering and Communications

Nuclear Technology and Nuclear Power Engineering

Nuclear Technique and Technologies

Methodology of Physics

Methodology of Physics and Astronomy

Communications and Physical Electronics

Communications and Physical Electronics

- PhD programs (15):

1. Astronomy and Astrophysics
2. Theoretical and mathematical physics
3. Physics of atoms and molecules
4. Meteorology
5. Physics of plasma and gas discharge
6. Atomic, Molecular and Optical Physics
7. Radio physics and physical electronics
8. Condensed Matter Physics
9. Optometry
10. Nuclear physics
11. Biophysics
12. Physics of wave processes
13. Ocean, Atmosphere and Outer Space Physics
14. Physics of elementary particles and high energies
15. Teaching methodology

(iii) possible occupations and opportunities on the job market: *academic career, Software companies and Banking, High-tech Start-ups; Nuclear plant - Kozloduy, School teachers, Radiation safety; for the needs of medicine, Pharmacy etc.*

(iv) attractiveness / promotion: