



SCHOOL OF SCIENCE

University of Nova Gorica



Photo: Andrej Guštin

Bachelor's study programme **Physics and Astrophysics**

Master's study programme **Physics and Astrophysics**

Master's study programme **Materials Science**

FROM ATOMS TO GALAXIES – EXPLORING PHYSICS, ASTROPHYSICS AND MATERIALS SCIENCE

STUDYING AT THE SCHOOL OF SCIENCE

IF YOU ARE INTERESTED IN:

astronomical observations | emergence, development, structure and future of the universe | galaxies | stars | atmosphere | basic building blocks of nature | physical laws that describe the world around us | characterization and use of advanced materials | research in state-of-the-art physics laboratories and centres | participation in projects, ... **then this is the right choice for you!**

WHAT MAKES US UNIQUE?

individual work with students | a young team of assistants and professors | basic theoretical knowledge | learning experimental methods | research and project work | practical work in student laboratories and in university research units | cooperation with research institutions and companies | Erasmus+ exchanges | orientation into the international scientific research environment | work in multidisciplinary groups.



interdisciplinary and practically oriented study programmes



individual approach, small study groups



engaging in research and projects throughout your studies



international mobility and opportunities for internships abroad



various scholarships



athlete-friendly university

BACHELOR'S STUDY PROGRAMME PHYSICS AND ASTROPHYSICS

The programme provides basic physical knowledge in the fields of astrophysics and solid-state physics, as well as general theoretical and experimental knowledge in cutting-edge areas of physics, necessary for involvement in research laboratories and centres and in the economy. Specific knowledge in the fields of: mathematics, statistics, biochemistry, biophysics. Understanding of natural phenomena, analytical thinking.

BASIC INFORMATION

Admission requirements: general matura, vocational matura completed in certain programmes of secondary technical and vocational education + 5th subject* (* see Call for applications) or equivalent foreign secondary education
Duration of the programme: 6 semesters / 3 years
Name of the qualification: Diploma seminar
Qualification title: diplomirani fizik / diplomirana fizičarka (UN) (Bachelor of Science)
Study location: Ajdovščina

Courses

Admission requirements



Career paths after graduation

continuing education at home and abroad | high-tech companies | banking sector | insurance companies | energy sector | computer industry | government organizations and public administration | pharmaceutical industry | agencies | finance | scientific research institutions related to natural sciences and technology | national institutes | telecommunications | electric power industry | ...

Career opportunities include: researcher | analyst | development engineer | project manager | physical science expert | self-employed expert | ...

MASTER'S STUDY PROGRAMME PHYSICS AND ASTROPHYSICS

Upgrades the bachelor's programme in physics and astrophysics with a broad theoretical and experimental basis for further study or employment in any field of physics. Emphasis on research work in research centres and laboratories.

BASIC INFORMATION

Admission requirements: completed 1st cycle study programme* with minimum 180 ECTS in the field of natural-mathematics sciences or technical sciences (*see Call for applications)

Duration of the programme: 4 semesters / 2 years

Name of the qualification: Diploma

Qualification title: magister / magistrica fizike (Master of Science)

Study location: Ajdovščina

Courses

Admission
requirements



Career paths after graduation

continuing education at home and abroad | high-tech companies | banking sector | insurance companies | energy sector | IT sector | government organizations and public administration | pharmaceutical industry | agencies | finance | scientific research institutions related to natural sciences and technology | national institutes | ...

Career opportunities include

researcher | analyst | data analysis and synthesis, measurement expert | project manager | physical science expert | science communication | interdisciplinary integration of scientific findings | formation of new knowledge | system process engineer | solving problems and challenges | ...

MASTER'S STUDY PROGRAMME MATERIALS SCIENCE

Interdisciplinary and research-oriented study, designed in collaboration with the National Institute of Chemistry and the Jožef Stefan Institute. Emphasis on practical training to acquire skills in the synthesis of advanced materials and their characterization, working with more advanced instruments for materials characterization in research laboratories.

BASIC INFORMATION

Admission requirements: completed 1st cycle study programme* with minimum 180 ECTS in the field of natural-mathematics sciences or technical sciences (*see Call for applications)

Duration of the programme: 4 semesters / 2 years

Name of the qualification: Diploma

Qualification title: mmagister materialov /magistrica materialov (Master of Science)

Study location: Ajdovščina

Courses

Admission
requirements



Career paths after graduation

continuing education at home and abroad | high-tech companies | pharmaceutical companies | medicine | government organizations | government administration | agencies | national laboratories and institutes | scientific research institutions | science and technology-related institutions | ...

Career opportunities include:

researcher | analyst | data analysis and synthesis, measurement expert | project manager | materials and physical science expert | science communication | interdisciplinary integration of scientific findings | formation of new knowledge in the field of materials | development of new materials | solving problems and challenges | engineering | chemistry | physics | ...



Jana Čelebičić, graduate of the Bachelor's programme Physics and Astrophysics

»During my studies, I had the opportunity to continuously improve my knowledge in various subjects and projects, through the personal approach of professors and spending time in research laboratories on the premises of our School. In the 2nd year of study, I had the opportunity to conduct my own research in the Laboratory of Quantum Optics. After the completed project, the laboratory offered me the position of student research assistant.«



Amalija Rafaj Škriljevečki, graduate of the Bachelor's programme Physics and Astrophysics

»During my studies, I had the opportunity to observe the universe with GoChile, the telescope of the University of Nova Gorica, located in Chile, and to participate in research at the Center for Astrophysics and Cosmology. I was also one of the recipients of the University of Nova Gorica Foundation scholarship from the "Edvard Rusjan" Fund for Talented Students, which was an additional incentive for my studies.«



SCHOOL OF SCIENCE

VIPAVSKA 11C,
5270 AJDOVŠČINA, SLOVENIA

Contact:

T: 00386 (0)5 36 53 500

E: info.fn@ung.si



STUDENT OFFICE

VIPAVSKA 13, ROŽNA DOLINA
5000 NOVA GORICA, SLOVENIA

T: 00386 (0)5 3315 234

DVOREC LANTHERI, GLAVNI TRG 8
5271 VIPAVA, SLOVENIA

T: 00386 (0)5 9099 717

E: studentska.pisarna@ung.si

See
more...



www.ung.si

Follow us on UNG social media.



The University of Nova Gorica
is a member
of the ACROSS European
Cross-Border
University Alliance.

across
EUROPEAN
CROSS-BORDER
UNIVERSITY



Co-funded by
the European Union

More information at: <https://www.across-alliance.eu/>