Which **IT** professions will be highly demanded in 5 years

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Which professions in the field of information technologies will be demanded in the nearest future when today's applicants graduate from the university? Which programmes are taught at BSUIR?
Which area to choose?

According to analysts, the IT sector is becoming more and more demanded. These professions are still among the best-paid.

Professions which will be popular in 5 years already exist. To master them, you should understand what you want and pick the qualitative core education.

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Data Scientist (Big Data).

Solves any tasks related to data analysis: classification, ranking, forecasting, as well as machine learning tasks, for example:

• When Yandex sorts the web-sites that were found on your request, it does that according to your previous search history. On top are the sites that are more likely to give you the answer;

• Identification of your car's license plate number with speed cameras;

• Speech synthesis and identification by the voice assistant in your phone and much more.

RELATED PROGRAMMES

Automated Data Processing Systems

Information Systems and Technologies (Industrial Safety)

Information Systems and Technologies (Business Management)

Information Systems and Technologies (Economics)

Information Systems and Technologies (Logistics)

Computer Science and Software Engineering

Information Technology Software
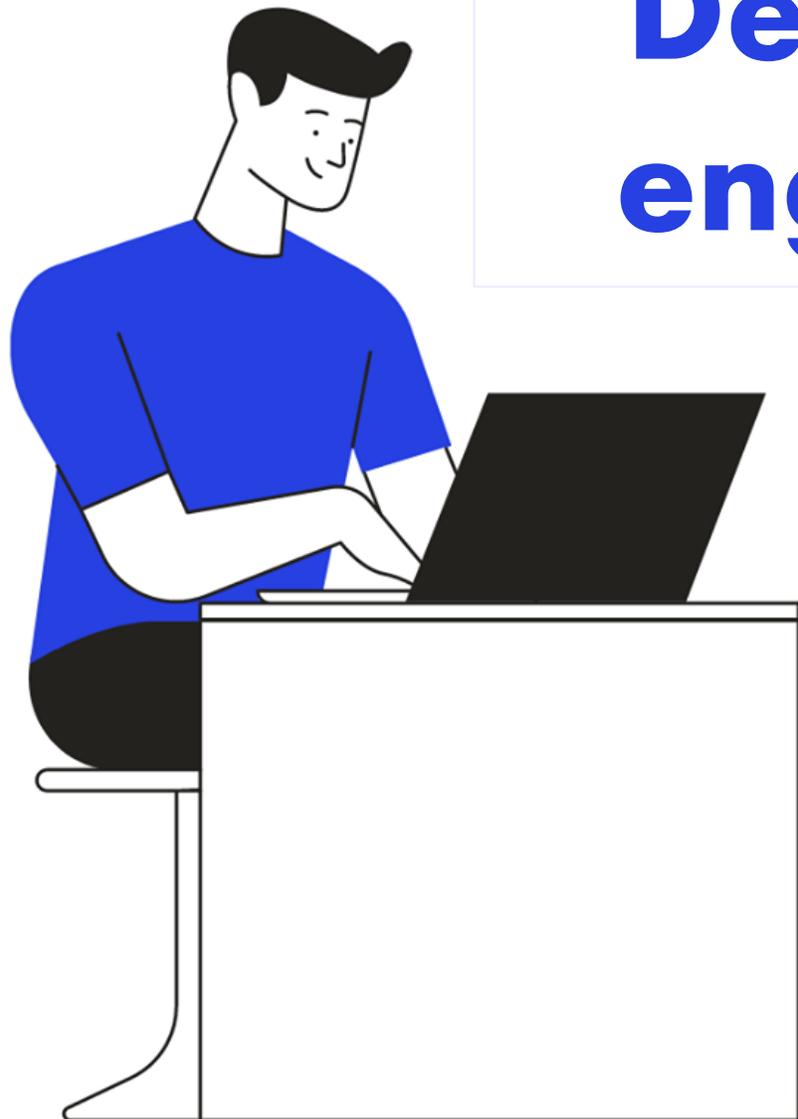
DevOps-engineer

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A multidisciplinary specialist who needs to know all the stages and mechanisms of development organization.

DevOps-engineer optimizes programmer's work, software lifecycle, can perform tasks of developer, project manager, system administrator.

This specialist also has good knowledge in the organization of the IT infrastructure, performance monitoring.

Sounds boring? Not a big deal.

Employers will grab such specialist in a minute.

RELATED PROGRAMMES
Information Technology Software
Engineering-Psychological Maintenance of Information Technologies
Automated Data Processing Systems
Information Technologies and Control in Engineering
Computer Science and Software Engineering

IOT-ENGINEER OR EXPERT IN CLOUD INFRASTRUCTURE

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Smart homes, autopilots, cloud storage and other modern technological internet stuff, which just 50 years ago could see only the most progressive science fiction writers in their wildest dreams, are combined into a single control system.

There are not so many engineers who know how to put all this together and distribute correctly, working with both software and hardware, but the demand for them is already impressive.

RELATED PROGRAMMES
Computers, Systems and Networks
Infocommunication Technologies (Infocommunication Networks)
Infocommunication Technologies (Telecommunication Systems)
Computer Science and Software Engineering

CYBER SECURITY SPECIALIST

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Hackers do not rest and are not likely to lean back in the near future. Every user with Internet connection and, moreover, large business, which has something to lose, are under cyber threat. The modern superman doesn't fly around the city, rescuing its defenseless population, he monitors cyber security and fights with cybercrime using his computer and his knowledge.

RELATED PROGRAMMES
Data Protection In Telecommunication
Information Technology Software
Radioelectronic Data Protection
Electronic Security Systems
Information Systems and Technologies (Industrial Safety)

VIDEOGAMES DEVELOPER AND GAME DESIGNER

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There are not too many people who have never played computer games.

But playing and developing games are not the same things. Game developer is a game designer in a broad sense. He can be called game producer, responsible for game design of the project. It's an IT specialist who develops software for videogames. Videogames developer must have many skills, especially if he's on his own engaged in programme code creation for the game, its visualization, its design.

He can work in the companies specializing on popular games design as well as develop simple browser and mobile games independently .

RELATED PROGRAMMES
Information Systems and Technologies (Game Industry)

USABILITY SPECIALIST
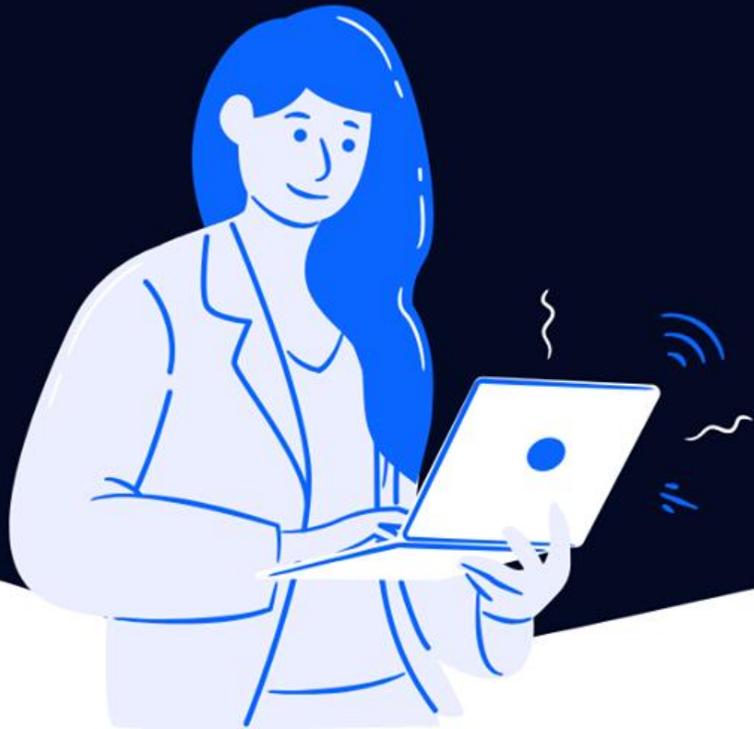
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IT specialist in usability is also called UX designer or usability engineer.

His main task is to make the product or the programme user-friendly.

UX specialists (User Experience) must finish off the product and make it user-friendly. The expert must conduct the qualitative analysis of the final work result of programmers and product developers.
UI specialist (User Interface) is responsible for how the interface will look like and how it will respond to user's actions.

This person draws buttons, icons, shapes, selects fonts and makes everything harmonious and beautiful.

RELATED PROGRAMMES
Engineering-Psychological Maintenance of Information Technologies
Artificial Intelligence
Infocommunication Technologies (Multimedia Information Distribution Systems)

MOBILE APPS DEVELOPER

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Barely anyone is still indifferent to mobile games, calorie counters, pedometers, quick access to bank accounts and other applications, which make us happy thanks to developers and the most innovative companies. It's not only trendy but also beneficial to think about user. Therefore, new mobile apps appear daily.

Companies are ready to invest heavily in this business direction. And one of the main businessmen's expenses is a salary of the developer, who can think of and create something special. It is unlikely that something will change significantly here in the coming years, therefore, a worthy place in the TOP IT professions for specialists developing applications for mobile gadgets is guaranteed.

RELATED PROGRAMMES
Programmable Mobile Systems
Information Technology Software
Engineering-Psychological Maintenance of Information Technologies
Infocommunication Technologies (Multimedia Information Distribution Systems)

NEURO INTERFACE DESIGNER AND INTELLIGENT SYSTEMS DEVELOPER

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Artificial intelligence systems are able to learn from experience, analyze security, establish new connections, and are able to adapt according to current data and remote monitoring and control capabilities.

They surround us in points of sale terminals, digital TVs, traffic lights, smart meters, cars, digital signboards and aircraft controls, and many other devices. Embedded intelligence is an integral component of the evolving Internet of Things (IoT), in which almost anything imaginable can be provided with unique identifiers and the ability of automatic data transfer over the network.

RELATED PROGRAMMES

Artificial Intelligence

MEDICAL EQUIPMENT DESIGNER
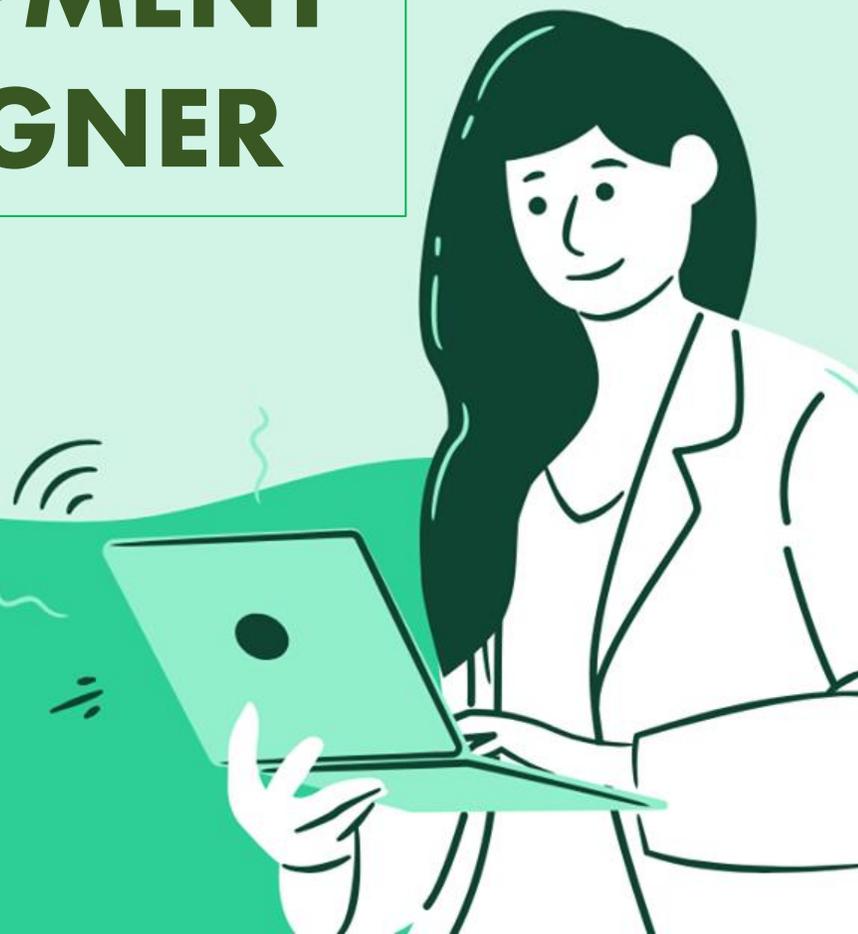
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The profession is at the intersection of computer science, physics, biology and medicine.
The specialist develops medical equipment and medical devices, is engaged into their design, accompanies the entire production cycle, develops and improves equipment in accordance with new technologies.
Responsible for ensuring that medical equipment fits organically into the aesthetic and therapeutic environment of patient care, the space for visitors and staff.

RELATED PROGRAMMES

Medical Electronics

BUSINESS ANALYST

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A promising profession that is suitable for specialists who have experience in working with analytical systems and databases, but do not have much experience in programming.

Analyst works with a ready-made infrastructure and created databases.

Such specialist uses business analysis systems to investigate the needs of the organization's activities, identifies business problems and suggests the ways to solve them. Business analyst skills are applicable in various fields, for example in the marketing department. Choose the branch you are interested in and do not be afraid to try.

RELATED PROGRAMMES
Information Systems and Technologies (Business Management)

E-COMMERCE SPECIALIST

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E-commerce is the most significant and essential part of the modern world economy.

More and more people all over the world prefer to buy goods and services online, and more companies enter e-market so as to distribute its production quickly and effectively. Employee's knowledge in e-commerce is important for every employer.

It's the e-commerce professionals who take businesses for the next level of functioning on the Internet.

Besides, e-commerce knowledge is necessary almost for everyone who is going to start up his own business selling goods and services.

RELATED PROGRAMMES
Digital Marketing
Economics in Electronic Business

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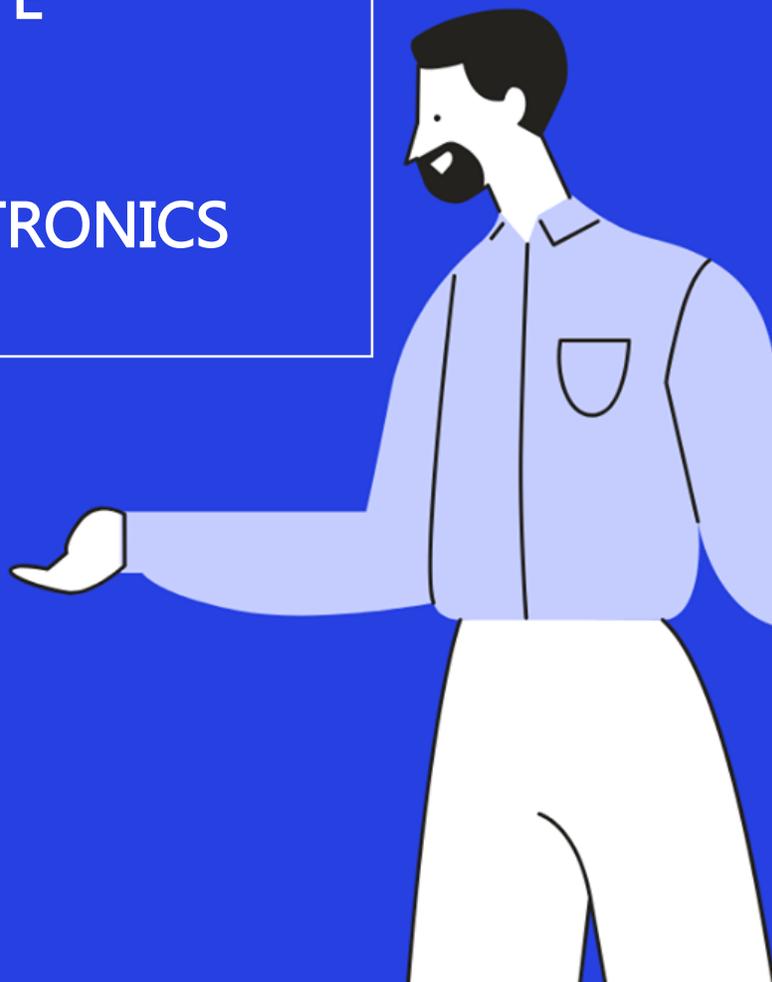
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