



HIGH-TECH INDUSTRIES MANAGEMENT

MASTER'S DEGREE PROGRAMME



PROGRAM ADVANTAGES

- ✓ The Program trains managers, administrators and analysts for pursuing and managing high-tech manufacturing in knowledge-based industries.
- ✓ Curriculum and syllabus developed in cooperation with partner company.
- ✓ Every master student receives a corporate mentor.
- ✓ Subjects of graduation thesis and course papers is determined by the goals and needs of the commissioner, while the students' progress is guided by highly competent industry experts.
- ✓ Internships and research activity take place at enterprises in need of high-skilled personnel with relevant qualifications.
- ✓ The most talented individuals through a competition get the opportunity to find employment with the partnering companies, with the candidates selected for the jobs subject to the competencies obtained by them over the course of study.
- ✓ It is possible to design an individual academic schedule. Master degree classes take place in the evenings, which allows to have work-study integration.



STUDYING PROCCCESS

120 credits.

Lectures, practicums and self-study, research activity on the master level (1st and 2nd years of tuition) and pre-graduate practice (2nd year)



HIGH-TECH INDUSTRIES ECONOMICS

- High-tech industries: terminology, content, classification, specific aspects.
- National policy in scientific and technical development.
- Innovative capacity of knowledge-intensive industries.
- Labour economics at knowledge-based enterprises.
- High-tech industries management.



INDUSTRIAL MARKETS ANALYSIS AND REGULATION

- Seller concentration on industrial market and its indicators.
- Analysis of monopolistic corporate conducts.
- Industrial market entry/exit barriers for companies.
- Strategic corporate behaviour on industrial markets.
- Dominant companies on industrial markets.
- Cooperated (concerted) strategies of corporate conduct on industrial markets.
- Cartel as a form of concerted conducts.
- Product differentiation on industrial markets.
- Specifics of natural monopolies on industrial markets.
- Price discrimination on industrial markets.
- Industrial market integration processes.
- Vertical integration and vertical restraints.
- Active companies strategies on industrial markets.
- Performance efficiency of industrial markets.
- National antimonopoly policy. National industrial policy.



BUSINESS PROCESS MANAGEMENT AND MODELLING

- Business process as a research subject.
- System analysis of company activities.
- Contemporary approaches to business process modelling.
- Improving company activities.



CORPORATE INTERNATIONAL ECONOMIC ACTIVITY

- International economic activity management in Russia.
- Corporate-level international economic activity.
- Organisational, legal and economic terms of international trade transactions.



INDUSTRIAL MARKETS MARKETING RESEARCH

- Industrial market: concept, essence, subjects.
- Differentiated industrial market.
- Objectives, goals and functions of marketing research.
- Stages in marketing research.
- Survey of external marketing environment.
- Macro-environment analysis.
- Competitive landscape investigation.
- Consumer (customer) research.
- Key types and sources of marketing information.
- Information collecting methods.
- Quantitative research in marketing.
- Qualitative marketing research.



CRISIS MANAGEMENT AND CORPORATE REENGINEERING

- Crises in social and economic systems.
- Crisis management: basic characteristics, strategy, tactics, technology.
- Insolvency (bankruptcy) of companies.
- Corporate restructuring.
- Risk management in crisis management.
- Reengineering as a way to boost corporate efficiency and a crisis management tool.



APPLYING THE SPACE INDUSTRY BEST PRACTICES IN VARIOUS NATIONAL ECONOMIC SECTORS

- Space activity in the Russian Federation.
- Earth remote sensing.
- Applying results of space activities to solving the problems of managing national economic industries.
- Using GIS for managing national economic industries.
- Geoportal solutions worked out based on applying the space industry results to managing national economic industries.



STUDENTS FEEDBACK



PAVEL TROFIMOV



I pursued the Economics master program at the Center of Industries Management concentrating on High-Tech Industries (2016-2018). Thanks to the high level of training at the program, the knowledge obtained in it helped me get a promotion in 2018 and successfully get selected for the KURS Manager Training and Development Program of Rostec State Corporation. I would like to say words of gratitude to the faculty members of the Applied Economics Department of the Center of Industries Management!



MIKHAIL YELISEYEV



My name is Mikhail Yeliseyev. In 2017 I completed studies in Management at RUDN's Center of Industries Management focusing on High-Tech Industries Management. What I would point out in the educational process is the consistency and high level of training, the professional academic staff and latest technologies used in the instruction. Pursuing the Management of High-Tech Industries program is not a cakewalk, but the way the information was presented and the engaging and relevant educational process helped me successfully complete the program and put the new knowledge to daily work. My first degree is in a technical field, obtained from Moscow Aviation Institute, so I can say for certain that RUDN's master program gave me a new profession and new opportunities. My personal piece of advice for you would be the following - go for it and opt for the second degree at RUDN.





STUDENTS FEEDBACK



DMITRIY KRASNIKOV



I am Dmitriy Krasnikov, and I have been studying at the Center for Industries Management of RUDN's Economics Faculty since 2019. My track is High-Tech Industries Management within the Economics major. This master program is delivered by excellent instructors, truly professional in what they do. So, the process of study is really smooth and easily accessible, with the teachers always ready to meet every student halfway, if he or she is committed toward development and gaining new knowledge in a certain subject.

I can confidently recommend this program to anyone who puts personal development and expanding knowledge in innovation economics above everything else. Here everybody can find their own way to pursue scientific and creative activity, as the faculty members have an individual approach to each and every student, which I am really grateful for.

To support my words, I will just go ahead and say that I am a holder of RUDN's bachelor's degree with honours. I didn't have a moment's doubt as to what university to choose for my further study, as over the years this place has truly become my second home which I enjoy going back to over and over again.

RUDN is a place of incredible people and atmosphere, and I am happy to be part of this large and close-knit family which is always welcoming and willing to embrace new members. Just make that first step!





HEAD OF THE PROGRAMME

ALEKSANDR CHURSIM



Doctor of Economics, Professor, Head of the Applied Economics Department, Scientific Director of the Center for Industries Management at RUDN Faculty of Economics, Scientific Adviser to the RUDN Rectorate. Adviser to the CEO of United Rocket and Space Corporation JSC, Advisor to the CEO of Russian Space Systems JSC.

Doctoral Thesis: The State Concept and Framework of Managing the Scientific and Technical Progress in the Defense Industry in the New Economic and Production Conversion Environment. Author of 35 monographs and study guides (16 of them with no co-authors), 170+ scientific papers, 24 patented inventions in tool engineering and rocket engineering. Of note and distinction are foreign publications - four monographs published by Springer International Publishing Switzerland (Heidelberg, Germany), which were added to the Scopus database, and 30 + Scopus / Web of Science academic articles.

AREAS OF RESEARCH CONCENTRATION:

Competitive Capacity of Enterprises, Economics of Space Industry, Innovations Management, Developing Competencies of a Company, Competitive Advantage, Digital Economy.

Over 1,500 indexed publications in the Russian Science Citation Index (h-index = 15, Scopus h-index = 7).



HEAD OF THE PROGRAMME

Seven-times grantee of the Russian Foundation for Fundamental Research (Russian Foundation for the Humanities) competitions, including an international grant supported by the Belarusian Foundation for Fundamental Research, conducted in collaboration with the scientists and experts at the Academy of Management under the President of Belarus. Acted as a supervisor and performer of multiple fundamental scientific and research activities and rendering services to industrial enterprises, ministries and agencies of the Russian Federation.

Acted as thesis supervisor to 14 Candidates and 4 Doctors of Economy.

Academician of the Russian Academy of Military Sciences, expert in the scientific and technical field, member of Russia-Kazakhstan Intergovernmental Commission on Space Activities, as well as of a number of councils, including the Russian Academy of Science Scientific Council on systemic problems of the Eurasian economic integration, modernization, competitiveness and sustainable development. Chairman of the Joint D 999.058.03 Dissertation Council of RUDN, the Rostec State Corporation and CRI Electronics. Member of the Register of Russian Academy of Science experts since 2016.

Holder of the Council of the USSR Council of Ministers Award in Science and Engineering; a Tsiolkovsky prize for personal creative contribution to the implementation of space programs and projects; Order of the Badge of Honour; a number of USSR medals of Honour and intergovernmental awards of the Russian Federation and Ukraine. Following the Presidential Decree Aleksandr Chursin was awarded the second-class medal of the Order of Merit for the Motherland for the professional achievements and long-standing productive activity.