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MINISTRY OF SCIENCE AND HIGHER EDUCATION OF THE RUSSIAN FEDERATION
Federal State Autonomous Educational Institution of Higher Education
"NORTH CAUCASUS FEDERAL UNIVERSITY"

APPROVED BY

Acting Director of the Institute

Advanced Engineering

Cand. Tech. Sci., Associate Professor

A.A. Porokhnya

WORK PROGRAM OF THE DISCIPLINE
Professional Foreign

Field of study	11.03.02 Infocommunication Technologies and Communication Systems
Profile	Intelligent Data Processing in Infocommunication Systems and Networks
Year of start of training	2026
Form of study	Full-time
Implemented in a semester	6

Developed by

Associate Professor at the School of

Linguistics, Faculty of International

Relations

Cand. ped. Sci.,

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Stavropol 2026

1. Purpose and objectives of mastering the discipline (module)

Knowledge of a foreign language is an obligatory component of the professional activity of a modern specialist in any field. The ***purpose of mastering*** the discipline "Foreign Language in the Field of Professional Communication" is to increase the initial level of foreign language proficiency achieved at the previous stage of education, and to master the necessary and sufficient level of communicative and professional competencies for master's students to solve social and communicative problems in various fields of domestic, cultural, professional and scientific activities when communicating with foreign partners, as well as for further self-education.

Objectives of mastering the discipline:

- acquisition by undergraduates of linguistic and communicative competence necessary for the study of foreign experience in a certain field of science and technology, as well as for the implementation of business contacts;
- Formation of skills for searching and processing information in a foreign language;
- Formation of skills to construct oral and written speech in a foreign language in a reasoned and clear manner;
- Increasing the level of general culture of students - the culture of thinking, communication.

2. Place of the discipline (module) in the structure of the educational program

The discipline "Foreign Language in the Field of Professional Communication" belongs to the disciplines of the mandatory part B1.O.05.

3. List of planned learning outcomes in the discipline (module) correlated with the planned results of the development of the educational program

Code, formulation of competence	Indicator code, wording	Planned learning outcomes in the discipline (module), characterizing the stages of the formation of competencies, indicators
UK-4. Able to apply modern communication technologies, including in a foreign language(s), for academic and professional interaction	ID-1UK-4 defines the rules and patterns of personal and business oral and written communication, modern communication technologies in Russian and foreign languages, existing professional communities for professional interaction. ID-2UK-4 puts into practice communication technologies, methods and ways of business communication for academic and professional interaction. ID-3UK-4 uses the methodology of interpersonal business communication in Russian and foreign languages, using professional language forms, means and modern communication technologies.	Is able to analyze business communication situations in a foreign language and uses the appropriate style of interaction with partners in oral and written forms. Possesses the skills of conducting research and development. Owns various methods, technologies and types of communications in the implementation of professional activities.

4. Scope of the academic discipline (module) and forms of control *

Scope of classes: total: 4 EC 144 academic hours	OFO, In acad. hours
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Contact work:	24.00/0
Lectures/from them practical training	0
Laboratory work/from them practical training	0
Practical training/of which practical training	24.00/0
Independent work	66.00
Forms of control	
Exam	54.00
Credit	-
Credit with a grade	-
Course work	-

5. The content of the discipline (module), structured by topics (sections) with an indication of the number of hours and types of classes

№	Section (topic) of the discipline and summary	Emerging competencies, indicators	Full-time		Current Forms control Academic Performance
			Contact work of students with the teacher / of them in the form of practical training, hours	Independent work, hours	
			Practical exercises		
1	Section 1. Annotation, abstracting. Abstract and annotation. General provisions. Features of the style of the abstract and annotation.	UK-4 ID-1 UK-4 ID-2 UK-4 ID-3	2	6	Interview
	LESSON 1 SYNOPSIS	UK-4 ID-1 UK-4 ID-2 UK-4 ID-3	2	6	Interview
	LESSON 2 COMPUTER VERSUS HUMAN BRAIN	UK-4 ID-1 UK-4 ID-2 UK-4 ID-3	2	6	Interview
	LESSON 3 POPULAR INFECTION METHODS USED BY COMPUTER VIRUSES	UK-4 ID-1 UK-4 ID-2 UK-4 ID-3	2	6	Interview
	LESSON 4 THE TERM "COMPUTER SECURITY"	UK-4 ID-1 UK-4 ID-2 UK-4 ID-3	2	6	Interview
	LESSON 5 IS YOUR HOME COMPUTER A TARGET?	UK-4 ID-1 UK-4 ID-2 UK-4 ID-3	2	6	Interview

	LESSON 6 THINKING ABOUT YOUR HOME COMPUTER	UK-4 ID-1 UK-4 ID-2 UK-4 ID-3	2	6	Interview
	LESSON 7 "GETTING INSIDE" A COMPUTER SYSTEM	UK-4 ID-1 UK-4 ID-2 UK-4 ID-3	2	6	Interview
	LESSON 8 SHADOW DATA (PART 1)	UK-4 ID-1 UK-4 ID-2 UK-4 ID-3	2	6	Interview
	LESSON 9 SHADOW DATA (PART 2)	UK-4 ID-1 UK-4 ID-2 UK-4 ID-3	2	6	Interview
	LESSON 10 HOW TO PROTECT AGAINST SHADOW DATA SECURITY RISKS	UK-4 ID-1 UK-4 ID-2 UK-4 ID-3	2	4	Interview
	LESSON 11 CRYPTOGRAPHY	UK-4 ID-1 UK-4 ID-2 UK-4 ID-3	2	4	Interview
2	Section 2. My profession. The history of computers. Computer basics. Personal computer system. Famous scientists of the computer science. Hardware and software. Types of software. Operating systems and utilities. License software. Software piracy. Programming languages. From the history of computer viruses. What is a computer virus? Internet technology. Internet access. The world wide web.	UK-4 ID-1 UK-4 ID-2 UK-4 ID-3	2	4	Interview
	TOTAL semester		24.00	66.00	
	EXAM			54.00	
	TOTAL		24.00	120.00	

6. Fund of assessment tools for the discipline (module)

The Assessment Tools Fund (ASF) for the current monitoring of progress and intermediate certification of students in the discipline (module) "Foreign Language in the Field of Professional Communication" is based on the list of competencies to be mastered with an indication of the stages of their formation in the process of mastering the discipline (module). The CSF provides objective control over the achievement of the planned learning outcomes. The CSF includes:

- description of indicators and criteria for assessing competencies at various stages of their formation, description of assessment scales;
- methodological materials that determine the procedures for assessing knowledge, skills, and (or) experience of activity, characterizing the stages of competence formation;
- standard control tasks and other materials necessary to assess knowledge, skills and the level of mastery of the formed competencies in the process of mastering the discipline (module).

The FAT is an appendix to this program of the discipline (module).

7. Methodical instructions for students on the development of the discipline

Starting work, each master's student should take into account the following provisions.

Discipline is built on a thematic principle, each topic is a logically complete section.

Practical classes are held in order to consolidate the information learned, to acquire the skills of its application in solving practical problems in the relevant subject area.

Independent work of undergraduates is aimed at independent study of additional material, preparation for practical classes, as well as the performance of all types of independent work.

For the successful development of the discipline, it is necessary to perform all types of independent work, using the recommended sources of information.

8. Educational, methodological and information support of the discipline

8.1.1. List of Basic Literature

1. English Language for Engineers: Textbook / T. Y. Polyakova [i dr.]. – Izd. 7-e, ispr. – Moscow: Vysshaya shkola, 2010. – 463 p. – Grif: Rek. MO for technical. special. – ISBN 978-5-06-006192-5; 42 A 64

8.1.2. List of additional literature

1. Popov, E. B. Professional Foreign Language. English Language [Elektronnyi resurs]: E. B. Popov. — Elektron. tekstovye dannye [Textual data]. — Saratov : Vuzovskoe obrazovanie, 2016. — 149 c. — 2227-8397. — Mode of access: <http://www.iprbookshop.ru/50622.html>
2. Popov, E. B. Foreign Language for Business Communication. English Language [Elektronnyi resurs] : uchebnoe posobie / E. B. Popov. — Elektron. tekstovye dannye. — Saratov : Vuzovskoe obrazovanie, 2013. — 72 p. — 2227-8397. — Rezhim dostupa: <http://www.iprbookshop.ru/16673.html>
3. English for Technical Areas (A1). Textbook for Universities Kuzmenkova Y. B. M.: Yurayt Publishing House National Research University "Higher School of Economics" (Moscow). <https://biblio-online.ru/book/angliyskiy-yazyk-dlya-tehnicheskikh-napravleniy-a1-445748> 2019, 200 p., 978-5-534-11608-3 Stamp UMO HE Higher Education
4. Murphy, R. Essential Grammar in Use: A self-study reference and practice book for elementary students of English: without answers / Raymond Murphy. — 3 edition. — Cambridge : Cambridge University Press, 2013. — 275 p.: il. — ISBN 978-0-521-67581-9; 81.432.1_M 96
5. Skalaban V. F. Angliyskiy yazyk dlya studentov tekhnicheskikh vuzov [English language for students of technical universities]: basic course. Textbook / V. F. Skalaban; ed. by S. A. Khomenko. — Electron. Tekstovye dannye [Electronic data]. — Minsk: Vysheishaya shkola, 2009. — 368 c. — 978-985-06-1599-2. — Rezhim dostupa: <http://www.iprbookshop.ru/20053.html>

8.2. List of educational and methodological support for students' independent work in the discipline

1. Lizenko I.I. Methodical instructions for practical classes in the discipline "English language": annotation and abstracting, for students of the second courses of technical specialties. Stavropol, 2020.
2. Lizenko I.I. Textbook. English language for students of the Institute of Information Technologies and Telecommunications. Stavropol, 2018.
3. Foreign Language in the Field of Professional Communication: Methodological Recommendations for the Organization of Independent Work. Lizenko I.I.; FGAOU HE Sev.-Kav. Federal. University. - Stavropol: NCFU, 2022. — 72 p., unlimited copies. <http://catalog.ncfu.ru/catalog/ncfu>

8.3. List of resources of the information and telecommunication network "Internet" necessary for mastering the discipline

1. <http://dictionary.cambridge.org/default.aspdict=CALD> Cambridge Dictionaries on-line.
2. www.macmillandictionary.com
3. www.hello-online.ru "Hello-online!" is an electronic magazine for English language learners.

4. www.longman.com/dictionaries/students is the website of Longman dictionaries. Interactive exercises for students. Exercises for the LanguageActivator dictionary.
5. www.britishcouncil.org is the portal of the British Council.
6. www.iearn.org – IEARN (International Education and Resource Network) is an international educational and resource network.

9. List of information technologies used in the implementation of the educational process in the discipline (module), including a list of software and information reference systems

When giving lectures, computer equipment is used, demonstrations of presentation multimedia materials. In practical classes, students present presentations prepared by them during the hours of independent work.

Information reference systems:

Information and reference and information and legal systems used in the study of the discipline:

1	Reference legal system "Consultant Plus" // www.consultant.ru (Contract No 43167/17 dated July 01, 2017 on information support)
2	Electronic library system "University Library Online" - www.biblioclub.ru Agreement No 50-04/19 on the provision of information services. dated 13.05.2019
3	Electronic library system "IPRbooks" (LICENSE AGREEMENT No 5168/19 dated 05/13/2019 for providing access to the electronic library system IPRbooks. Organization: IPR Media Company LLC)
4	eLIBRARY.RU: [Scientific Electronic Library]. – URL: http://elibrary.ru
5	Information and Legal Portal "Garant" - http://www.garant.ru/

Software:

1	Operating system: Microsoft Windows 8: 2013-02(3000). Perpetual license. Contract No 01-ea/13 dated 25.02.2013. End of free support – 2023-01. IPRbooks Electronic Library System – Specialized Software Package Contract No 2039/16 dated 27.04.2016 Software Complex for Organizing Access to the www.biblioclub.ru "University Library Online", Contract No128-04/16 Microsoft Office Russian, License 67255189 dated 04.08.2016 to 31.08.2019 Norton 360
2	Basic Microsoft Office software package (Word, Excel, PowerPoint). Microsoft Office Standard 2013: Contract No 01-EA/13 dated 25.02.2013, Microsoft Office Licensing https://support.microsoft.com/ru-ru/lifecycle/search/16674 Lifecycle Start Date 09.01.2013; Office 2013 ServicePack 1 Lifecycle Start Date 25.02.2014 Mainstream Support End Date 10.04.2018; Additional Support End Date 11.04.2023
3	IPRbooks Electronic Library System – Specialized Software Package Contract No 2039/16 dated 27.04.2016 Software Complex for Organizing Access to the www.biblioclub.ru "University Library Online", Contract No128-04/16 Microsoft Office Russian, License 67255189 dated 04.08.2016 to 31.08.2019 Norton 360

10. Description of the material and technical base necessary for the implementation of the educational process in the discipline

Practical exercises	Classroom for training sessions, equipped with multimedia equipment and technical teaching aids.
Independent work	Room for independent work of students, equipped with computer equipment with the ability to connect to the Internet and the ability to access the electronic information and educational environment of the university

11. Features of mastering the discipline (module) by persons with disabilities

Students with disabilities are provided with special textbooks, teaching aids and didactic materials, special technical teaching aids for collective and individual use, the services of an assistant (assistant) who provides students with the necessary technical assistance, as well as the services of sign language interpreters and typhlo-sign interpreters.

The development of the discipline by students with disabilities can be organized together with other students, as well as in separate groups.

The development of the discipline by students with disabilities is carried out taking into account the peculiarities of psychophysical development, individual capabilities and health status.

In order to ensure the accessibility of higher education under the educational program by persons with disabilities when mastering the discipline, the following is ensured:

1) for visually impaired persons:

- the presence of an assistant who provides the student with the necessary technical assistance, taking into account individual characteristics (helps to take a workplace, move, read and complete the task, including by writing down by dictation),
- written tasks, as well as instructions on the procedure for their implementation, are drawn up in enlarged font,
- special textbooks, teaching aids and didactic materials (with large print or audio files),
- individual uniform lighting of at least 300 lux,
- if necessary, the student is provided with a magnifying device to complete the task;

2) for persons with hearing disabilities:

- the presence of an assistant who provides the student with the necessary technical assistance, taking into account individual characteristics (helps to take a workplace, move, read and complete the task, including by writing down by dictation),
- the availability of sound-amplifying equipment for collective use is ensured, if necessary, the student is provided with sound-amplifying equipment for individual use;
- is provided with appropriate sound means of reproducing information;

3) for persons with disabilities with musculoskeletal disorders (including those with severe disorders of the motor functions of the upper extremities or the absence of upper limbs):

- written tasks are performed on a computer with specialized software or dictated to an assistant;
- At the request of the student, tasks can be performed orally.

12. Features of the implementation of the discipline using distance educational technologies and e-learning

According to Part 1 of Article 16 of the Federal Law of December 29, 2012 No 273-FZ "On Education in the Russian Federation", *e-learning* is understood as the organization of educational activities with the use of information contained in databases and used in the implementation of educational programs and information technologies, technical means, as well as information and telecommunication networks that ensure the transmission of this information through communication lines, the interaction of students and teachers. *Distance educational technologies* are understood as educational technologies implemented mainly with the use of information and telecommunication networks with indirect (at a distance) interaction between students and teachers.

The discipline can be implemented using distance learning technologies and e-learning in whole or in part. The components of the discipline's teaching materials (the discipline's work program, assessment and methodological materials, forms of certification), implemented using distance learning technologies and e-learning, contain an indication of their use.

When organizing educational activities with the use of distance educational technologies and e-learning, asynchronous and synchronous ways of interacting with participants in educational relations through the information and telecommunication network "Internet" may be provided.

When using distance learning technologies and e-learning, the schedule for the discipline indicates: ways of interaction between participants in educational relations through the information

and telecommunication network "Internet" (videoconferencing, ET - electronic testing); links to the electronic information and educational environment of NCFU, to educational platforms and resources of other organizations to which open access is provided through the information and telecommunication network "Internet"; for synchronous learning - the time of online classes and teachers; for asynchronous learning - the authors of online courses.

When organizing interim certification using distance learning technologies and e-learning, the Methodological Recommendations for the Use of Technical Means That Ensure the Objectivity of Results in the Conduct of Interim and State Final Certification in Educational Programs of Higher Education - Bachelor's Degree Programs, Specialist Programs and Master's Degree Programs with the Use of Distance Educational Technologies (Letter of the Ministry of Education and Education of Russia dated 07.12.2020 No MN-19/1573-AN "On the Direction of Methodological Recommendations") are used.

The implementation of the discipline using e-learning and distance learning technologies is carried out using the electronic information and educational environment of NCFU, to which students have access through the information and telecommunication network "Internet", or using the resources of other organizations, including platforms that provide services for video conferences, online meetings and distance learning (MTS-Link), as well as using the capabilities of social networks for communication between students and teachers.

Educational and methodological support of the discipline implemented with the use of e-learning and distance educational technologies includes a work program, teaching aids or a course of lectures presented in electronic form, guidelines for the implementation of various types of educational activities of students provided for by the discipline, and other educational materials posted in the information and educational environment of NCFU.