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## THE IMPORTANCE OF ENGLISH IN THE FIELD OF BIOMETRICAL ENGINEERING

**Soloviova Viktoria, Mazur Bogdan**

*National Aviation University, Kyiv*

Scientific advisor – Pershukova O.O., doctor of pedagogics,  
Professor of Aviation English department

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**Introduction.** English is widely regarded as the universal language of the modern world, and its importance in the development of professional medical equipment cannot be overstated. Biomedical engineering is a field that combines principles of engineering, biology, and medicine to solve problems related to healthcare and medical research

**Materials and methods.** The primary focus of this article is to highlight the importance of English in the field of biomedical engineering. The research methodology employed in this study is a literature review. A review of academic articles and scholarly publications, the research materials include articles from academic journals, textbooks, and online resources.

**Results: Global communication:** English is the most commonly used language in international communication, particularly in science and technology fields. As a result, it is the language of choice for researchers, manufacturers, and suppliers of medical equipment worldwide. **Access to information:** Most of the research papers, technical manuals, and scientific journals related to medical equipment are written in English. Therefore, to access this valuable information, professionals in the medical equipment industry must be proficient in English. **Collaboration:** The development of professional medical equipment often requires international collaboration. English proficiency facilitates communication and collaboration among professionals from different countries, enabling them to share knowledge, expertise, and resources. **Regulatory compliance:** In many countries, medical equipment is subject to strict regulatory compliance. English is often the language used in regulatory documents and procedures, making it essential for manufacturers and suppliers of medical equipment to have a good understanding of the language. **Market demand:** English-speaking countries, including the United States and the United Kingdom, are major markets for medical equipment. Proficiency in English is crucial for professionals in the medical equipment industry to be able to effectively market their products and services to these countries. Here are some of the requirements for a career as a biomedical engineer: **Education:** Biomedical engineers typically need at least a bachelor's degree in biomedical engineering or a related field, such as electrical engineering or mechanical engineering. Some employers may prefer candidates with advanced degrees such as a master's degree or a Ph.D. **Technical skills:** Biomedical engineers need to be proficient in various technical skills, including programming, data analysis, and laboratory techniques such as microscopy and tissue culture. They also need to be familiar with various software programs and tools used in biomedical engineering, such as CAD software for designing medical devices. **Understanding of biology and medicine:** Biomedical engineers need to have a solid understanding of biology and medicine, including human anatomy, physiology, and medical terminology. They need to understand the principles of medical diagnosis and treatment, and how medical devices and technologies can be used to improve patient care. **Problem-solving skills:** Biomedical engineers need to be able to identify and solve complex problems related to medical devices, equipment, and procedures. They need to be able to work collaboratively with healthcare professionals, scientists, and other engineers to develop innovative solutions to medical challenges.

**Communication skills:** Biomedical engineers need to be able to communicate effectively with a range of stakeholders, including healthcare professionals, patients, regulatory agencies, and other engineers. They need to be able to explain complex technical concepts in a clear and understandable way. **Ethical considerations:** Biomedical engineers need to be aware of the ethical considerations involved in developing and testing medical devices and technologies. They need to understand the importance of patient safety and privacy, and be able to navigate the regulatory landscape surrounding medical device development and approval.

**Conclusion.** English is an essential for the development of professional medical equipment because it facilitates global communication, access to information, collaboration, regulatory compliance, and market demand. English today is a means of international communication. English, is spoken by Interpol employees, air traffic controllers and rescue workers in disaster areas, where the accuracy of information transmission is of paramount importance. Without knowing English, it is impossible to become a specialist in this field. Many overseas companies are cooperating and it is important always to maintain and improve English competence.

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