Unlock your potential with the BioMex® Certificate Programme

Be a Pioneer

in Shaping the Future of Biotechnology, Pharmaceutical Sciences and the Health Care Sector at large!





BIOMEX®

The BioMex® Certificate Programme

BioMex® is an academic upskilling programme for biomedical expertise offered by the Centre for Distance Learning Koblenz/Germany (zfh) in collaboration with the University of Applied Sciences Koblenz. BioMex® offers an academic programme designed to impart specialized knowledge and skills. Thanks to its flexible, modular structure and the option to select individual modules, participants can tailor their learning path to their specific needs and interests. This enables them to further deepen and add to their expertise in a timely manner, refining their professional profile for advanced roles in the dynamic biotechnology, pharmaceutical and health care sectors.

At the heart of BioMex® lies a collaborative effort that brings together scientific institutions from multiple countries, whereby the number of countries is constantly increasing. As if by chance, you will train your intercultural skills and take part in the networking of the international biotech, pharma and health care world. This cooperation between international lecturers and institutions shapes impactful career pathways, contributing to the growth and development of the biotechg, pharma and health care sectors. BioMex®, which was launched in December 2023, is a place for anyone seeking not just education, but a transformative experience. The BioMex® Certificate Programme has previously received support from the Special Initiative "Decent Work for a Just Transition" of the German Federal Ministry for Economic Cooperation and Development (BMZ) in Rwanda.

In Ghana the programme is currently supported by the Agency for Business and Economic Development (AWE) on behalf of the German Federal Ministry for Economic Cooperation and Development (BMZ) and implemented in cooperation with the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH.

A Dynamic and Stimulating Career Choice

The content provided through BioMex® is a valuable resource that enhances career prospects and opens doors to diverse and specific opportunities in the biotech, pharma and health care industries.

Opting for a career in biotechnology, pharmaceutical sciences and health care means delving into a realm where you will actively engage with biological organisms, crafting applications in medicine, health care, industrial production, and agriculture. This dynamic field isn't merely a sector; it's a gateway to innovation and progress. Acknowledged as one of the fastest-growing branches of science globally, biotechnology specifically holds immense economic and socio-political potential.

Advancing Biotechnology - Moving Forward Together

Biotechnology is a rapidly evolving field, contributing significantly to general progress. It involves utilizing living organisms to improve agriculture, health care, and environmental conservation. Globally, biotechnology research is dedicated to enhancing crop productivity, advancing medical solutions and tackling environmental issues, amongst others.

An important area of this science currently is the development of genetically modified plants that are resistant to pests and diseases, improve food security and benefit farmers. In health care, the emphasis can be on developing treatments for diseases like malaria, HIV/AIDS, and tuberculosis, along with affordable vaccines and diagnostic tools. Nations around the world are investing in biotechnology to combat environmental problems such as soil degradation and water pollution and to find sustainable solutions - to just mention a few potential challenges.

BioMex® aspires to be a hub for biotechnology research and innovation, fostering partnerships with international organizations and universities. The programme promotes capacity building and the creation of a favorable environment for research and development. Join BioMex® and step into the future of this exciting industry!









Embark on your BioMex® Journey

Discover the transformative experience of our blended-learning programme, offered both on-site and online. This innovative certificate programme presents three distinct study modes, featuring various competence clusters that can be customized based on your preferences.

Biotechnology and Biomedicine: Covering key areas such as Molecular Biology, Immunology, Medicine, Genetics, and Bioengineering, this cluster goes beyond theory, fostering practical skills essential for careers in Biomedicine and Biotechnology.

Pharmaceutical Chemistry and Pharmaceutical Technology: This cluster delivers targeted training in critical areas like Drug Development, Regulatory Compliance, Good Manufacturing Practice (GMP) and Quality Assurance. With modules covering Clinical Trials and Epidemiological Statistics, participants gain comprehensive expertise for regulated environments, particularly in the pharmaceutical industry.



Innovation Management and Intercultural Cooperation: This cluster focuses on developing skills in Intercultural Communication, Entrepreneurship, and Innovation. Through a blend of theoretical concepts, practical exercises, and collaborative projects, participants gain the knowledge and tools necessary for developing innovative solutions, fostering entrepreneurship, and effective communication in multicultural contexts.

Facility, Energy and Environmental Management: This competence cluster focuses on efficient facility management and sustainable resource usage, emphasizing technical maintenance, lifecycle management, and energy conservation, all tailored for sustainable solutions in the pharmaceutical sector.

Health Care and Smart Medical Technologies: This cluster focuses on preparing professionals to shape health care systems that are digital, interoperable, and built for a global reality.

GxP - Compliance and Risk Assessment: This cluster comprises modules on Good Manufacturing Practices, Good Laboratory Practices and Good Clinical Practices as well as Quality Management and Risk Assessment.

Flexible Certification Levels: Your Path, Your Choice

› Certificate of Microcredential: 3 ECTS
› Certificate of Microdegree: 6-9 ECTS
› Certificate of Advanced Studies: From 10 ECTS
› Diploma of Advanced Studies: From 30 ECTS

How to Study

Our Educational Concept

Embark on your learning journey with our innovative educational approach. Our certificate programme operates in a blended learning format, offering the flexibility and autonomy to study at your own pace. Utilizing the OpenOlat Learning Management System, you'll navigate through diverse course content, accessing materials from the comfort of your chosen environment. With content readily available online, you can engage with learning materials whenever and wherever it suits you best.

What sets our blended learning concept apart, is its dynamic combination of online and in-person components. While self-paced study forms the foundation, you'll also benefit from hands-on experiences in our state-of-the-art laboratories and face-to-face lectures with our modern learning environments.

How to Apply

Ready to embark on an exciting venture into the world of biotechnology?

We invite students of all ages and genders to seize the opportunity and apply for the BioMex® Certificate Programme. Take this step towards further enriching your career and contributing to the future!

Don't miss out on this chance to shape your future and make a meaningful impact!

You can apply for this programme on our registration pages at the following address: **www.zfh.de/biomex-registration**

Admission requirements:

- University degree
- Transcript of Record with Overall Grade
- Grading Scale from your issuing institution
- CV/ Resume
- Letter of motivation
- Letter of reference

Application process:

- Online via Application Portal



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Step into Our Vibrant Community:

Engage with BioMex® Across Social Channels

Stay Connected with BioMex®!

Join our vibrant community on social media to stay informed and engaged with all the latest updates, events and programme enhancements. Be the first to know about new modules, upcoming webinars, and exciting opportunities.

By following and sharing our updates, you contribute to spreading knowledge and shaping the future of biotechnology, pharmaceutical sciences and health care at large. Let's build this journey together – follow, share, and stay engaged with BioMex®!

zfh.de

Registration





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Unlock

Your BiotMex® Journey!

