



ALEPH UNIVERSITY



School of Business

Master of Science in Innovation and Entrepreneurship in Medical Technologies

PROGRAM DESCRIPTION

In the Master of Science in Innovation and Entrepreneurship in Medical Technologies, students will receive comprehensive preparation, guidance, and support to achieve their goals, whether they are interested in establishing their own startups or becoming key innovators within an organization.

With a focus on teamwork, product launches, and the creation of new business projects, Aleph University fosters the development of the knowledge, wisdom, and innovative attitude necessary to identify opportunities, establish connections, and leverage technology to create sustainable solutions.

Students enrolled in this program will have the opportunity to develop their innovative, entrepreneurial, and intrapreneurial skills. Upon completing the program, they will gain profound knowledge and practical experience in cutting-edge innovation and entrepreneurship, with a particular focus on technology-based startups.

The Master of Science in Innovation and Entrepreneurship in Medical Technologies program consists of 30 credit hours and offers three specializations: Biomedical Startups, Intrapreneurship, and New Technology Startups.



Program Objectives

- Develop practical skills such as business planning, financial management, marketing, and leadership.
- Cultivate an entrepreneurial mindset and recognize global opportunities.
- Apply Lean Startup and Design Thinking methodologies.
- Provide students with a deep understanding of the business process, including ideation, validation, and commercialization stages.
- Analyze and evaluate market trends and develop strategies to address market needs.

Career Opportunities

Obtaining a Master of Science in Innovation and Entrepreneurship in Medical Technologies can open up various employment opportunities in the business and technology sectors. Here are some potential areas of work and roles you might consider:

- **Entrepreneurship or Startup Founder:**

Develop your own business or startup utilizing the skills acquired during the master's program. You could become a successful entrepreneur and launch your innovative company.

- **Development of New Products or Services:**

Many companies seek professionals with innovation skills to lead projects for developing new products or services. You could work in research and development, identifying opportunities to enhance existing products or create something entirely new.

- **Innovation and Business Strategy Consulting:**

Offer consulting services to companies looking to improve their innovation capabilities and business strategies. You could help companies identify growth opportunities and optimize their processes.

- **Innovation Management:**

Work in innovation management roles within established companies. These roles may involve leading teams responsible for implementing new ideas and innovative processes.

- **Business Development and Expansion:**

Collaborate in identifying and evaluating growth opportunities for existing companies. This could include expanding into new markets, acquiring companies, or diversifying products and services.

- **Development of Innovation Policies and Programs:**

Work in governmental institutions, nonprofit organizations, or companies to develop policies and programs that promote innovation and entrepreneurship at regional or national levels.

- **Venture Capital and Risk Capital:**

Work in venture capital or risk capital firms, evaluating and financing innovative projects with high growth potential.

- **Development of Intrapreneurial Skills:**

Work within a company to foster an intrapreneurial culture, where employees develop and execute innovative ideas to improve the company.

- **Education and Training:**

Become an educator or trainer in the field of innovation and entrepreneurship, either in academic institutions or through business training programs.

A Master of Science in Innovation and Entrepreneurship in Medical Technologies will provide you with valuable skills and knowledge to excel in roles that seek professionals capable of driving change, creativity, and business development. The demand for these professionals is growing in various sectors, offering you employment opportunities in different industries.

Learning Methodology

Aleph University employs an active learning environment that fosters critical thinking through interaction within the learning community. A variety of pedagogical learning scenarios are promoted, including self-study, idea exchange, small group work, problem-solving, debates, and research seminars. Students have access to various sources of information, learning alternatives, and activities to enhance their learning experience.

The teaching and learning approach include a traditional tutorial method enriched with practical learning approaches such as the Harvard Case Study Method and Project-Based Learning.

Harvard Case Study Method

This method employs the discussion of real-life situations that professionals face in their workplace. It requires student preparation and group work with their peers.

Project-Based Learning

This method fosters a deep conceptual understanding of abstract concepts through class projects. Students will actively develop their understanding by learning and applying key class concepts to solve challenging everyday problems.

Admissions Process

The admission criteria at Aleph University are based on the institutional mission, goals, academic merit, and the Florida Commission for Independent Education rules for the acceptance and enrollment of students in higher education academic programs. Aleph University's admissions policy assures that only students who are reasonably capable of completing and benefiting from the educational offerings are enrolled. The admissions process requires an admission interview of prospective students to evaluate their ability to achieve and benefit from the program.

The general admission and readmission requirements are as follows:

- **Application:**

Online admission applications must be received by the Admissions Department..

- **Identification Document:**

Copy of a government-issued identification document.

- **Fee Payment:**

A non-refundable application fee must be paid with the Admission Application.

- **Transcripts:**

Official academic records from all attended educational institutions must be submitted according to the application instructions. To be admitted to a Master's program, the applicant must have completed a bachelor's degree from an appropriately accredited academic institution, having obtained a minimum GPA of 3.0.

- **Personal Statement:**

A statement of purpose explaining why the chosen academic program would enable the applicant to achieve their professional goals.

- **Interviews:**

All applicants must have an interview with the Director of Admissions to better understand their interests, goals, and personalities.

- **English Proficiency:**

International students must meet language proficiency requirements.

Language Proficiency Requirements:

To enroll at Aleph University, prospective students whose first language is not English must possess college-level English ability.

List of Courses

Concentration	Course Type	Code	Course Name	Credits	Pre Requisite
FOUNDATION	Core	HUM 500	ETHICS AND VALUES SEMINAR	2	
	Core	ENT 510	LEADERSHIP, TEAMWORK AND SUCCESS PRINCIPLES SEMINAR	2	
	Core	ENT 720	NEW VENTURE CREATION AND DEVELOPMENT	3	
	Core	ENT 620	ENTREPRENEURIAL FINANCE	2	ENT 720
	Core	ENT 730	ENTREPRENEURIAL BUSINESS STRATEGY	3	ENT 720
	Core	ENT 735	DESIGN THINKING AND INNOVATION	3	ENT 720
	Core	ENT 750	PRODUCT DEVELOPMENT	2	ENT 735
	Core	ENT 720 / 720	INTERNSHIP OR CAPSTONE PROJECT	3	
SPECIALIZATION	Elective	ENT 700	BIOMEDICAL STARTUPS: FROM IDEA TO EXIT	2	ENT 720
	Elective	ENT 630	LEGAL ISSUES FOR ENTREPRENEURS	2	ENT 720
	Elective	ENT 681	LEADERSHIP AND NEW VENTURES MANAGEMENT	2	ENT 720
	Elective	ENT 682	ENTREPRENEURIAL MARKETING	2	ENT 720
	Elective	ENT 683	INNOVATION AND SUSTAINABILITY	2	ENT 620
	Elective	ENT 684	INTERNATIONAL ENTREPRENEURSHIP	2	ENT 681



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