In the area of Health Sciences, UDEM offers the best opportunities for student development, since it includes clinical practice in following hospitals: Christus Muguerza (hospital’s School of UDEM), Clinic Adelaide Lafon of Muguerza, Hospital and Clinic Nova. Foreign Students—

International Programs—

It is essential for UDEM to train professionals with a global vision, a capacity for analysis, and a great ability to perform with ease within the international context. We believe that 10% of the most important factors to foster in our students the ability to work as a(n) is to provide them with the opportunity to study their full degree at institutions in the world like Boston, Buenos Aires, among others, offering you programs that include summer abroad and make relevant contributions to the progress of their communities and countries.

Workshops and Laboratories—

In the area of Health Sciences, UDEM offers the best opportunities for student development, since it includes clinical practice in public hospitals and private universities like Boston, Buenos Aires, among others; offering you programs that include summer abroad and make relevant contributions to the progress of their communities and countries.

Internationalization—

UDEM offers you a multicultural on-campus environment through a solid model of international participation which includes:

1. The promotion of international activities and programs.
2. Constant interaction with foreign students and professors.
3. Visiting faculty from universities in different parts of the world.
4. The learning of a third language.

Core Courses—

- Medical and Nursing Sciences—
  - Basic Science (Biology, Chemistry, and Mathematics)
  - Fundamentals of the Finite Element Method
  - Rehabilitation Engineering
  - Innovation and Design of Medical Devices
  - Models in Biomedical Engineering
  - Clinical Lab
  - Analytical Labs
  - Biomaterials
  - Laboratory of Electronics
  - Transducers for Medical Devices
  - Circuit Analysis II
  - Circuit Analysis I
  - Manufacturing Processes
  - Analysis and Design of Mechanisms
  - Transducers for Medical Devices
  - Medical Equipment Distributor
  - Service Engineer
  - Product Specialist
  - Medical Products Designer
  - Quality Engineer
  - Biomedical Engineer
  - Medical Instrumentation
  - Clinical Instrumentation
  - Hospital Safety
  - Development of Medical Units and Equipment
  - Hospital Information Systems

Elective Courses—

- One course from each block:
  - Natural and Applied Sciences
  - Nutritional and Food Sciences (Biology, Chemistry, and Mathematics)
  - Fundamentals of Anthropology
  - Principles of Economics
  - Research
  - Finance
  - Marketing
  - Human Capital Management
  - Innovation and Design of Medical Devices
  - Medical Instrumentation
  - Clinical Instrumentation
  - Hospital Safety
  - Development of Medical Units and Equipment
  - Hospital Information Systems

Supplementary Courses—

Two courses are to be selected from one discipline outside the curriculum.

Co-curricular Courses—

Two courses are to be selected from:
- Arts, Sports, Music, Dance, Sustainability, and Spirituality.

Internship and Final Evaluation—

One course for the Internship in Biomedical Engineering and a Final Evaluation in Biomedical Engineering.
The University of Monterrey helps people develop in an integral manner through its personalized educational model. Within an intercultural environment, UDEM identifies and perfects the talent each student has, guiding such talent with academic and human excellence to reach its maximum potential, which results in the student’s professional and personal success.

Experiential Learning—
UDEM has a commitment to the integral training of its students and, thus, offers a series of co-curricular courses and extra-curricular activities through which the students can develop their physical, leadership, cultural, artistic and social-responsibility skills and experience and promote the universal values inherent to UDEM.

Admission Requirements—
1. Submit your duly completed admission application form and requested documents to the Office of Admissions.
2. Take Academic Aptitude Test and get required score.
3. Make payment of pre-registration fee by any of the following means: on-line, in person, or at bank.
4. Define your class schedule with your Curriculum Director.
5. Complete your registration by any of the following means: on-line, in person, at bank; using any of the different payment methods.

Financial Support—
UDEM has developed a financial support scheme to further the academic progress of its students. Through its academic excellence scholarship program and student loan plans, UDEM makes it possible for its students to continue their professional studies.

UDEM Residence Halls—
UDEM Residence Halls, created especially for our out-of-town students, is a unique concept because of its design and university life project. It is a community in which the facilities and UDEM values integrate fully to provide you with the best experience of your university life.

Contact UDEM IBI—
T 8215.10.10
8215.10.00, ext. 1601
01.800.801.UDEM
admisiones@udem.edu.mx

Locate UDEM—
The University of Monterrey is located in the municipality of San Pedro García García, which is part of the metropolitan area of the city of Monterrey, in Nuevo León, Mexico.
Jos. Morones Prieto 4500 Pte.
San Pedro García García, N. L.
Mexico, C. P. 66238

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For further information go to: udem.edu.mx/residencias

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For further information go to: udem.edu.mx/carreras

Biomedical Engineer: Recognition of Official Validity of Studies (RVOE) granted by the Mexican Secretariat of Public Education on October, 2009, according to Authorization 20090916, effective as of 2009. Accredited by the Commission of the Southern Association of Colleges and Schools (SACS).