

UNIVERSIDAD DE LAS AMÉRICAS PUEBLA

UDLAP®

UDLAP

STUDY IN  
MEXICO.  
STUDY AT  
UDLAP

[www.udlap.mx](http://www.udlap.mx)

BIOLOGY

EDEC  
SCHOOL  
OF SCIENCES

# STUDY BIOLOGY

## AT UDLAP

As a graduate from the Bachelor of Biology you will identify and analyze biological processes through statistical tools and design of experiments, applying theories and concepts of biological sciences and biodiversity to use and maintain biotic resources in the public and private sectors and universities, with a high sense of respect for all living beings, the environment in which they live, and the society with which they interact.

Once you have finished your study program, you will have a bachelor's degree in addition to a licenciatura degree. Therefore, your studies will be recognized worldwide.

### JOB MARKET

- *Public organizations and conservation areas.*
- *NGOs.*
- *Zoos and Botanical Gardens.*
- *Teaching and research centers.*
- *Biomedical industry.*



# AN UDLAP STUDENT HAS

- Conviction to work for the greater good and to achieve success.
- Ability to reach goals through continuous learning.
- Ability to face the challenges of an increasingly competitive world.
- Respects organisms and the environment in which they live.
- Takes pleasure in the adequate use and conservation of biodiversity.

Thanks to more than 200 agreements with prestigious international universities, you will be able to make academic exchanges or complete a double degree program.

## UDLAP ACADEMIC EXCELLENCE

The prestige of our faculty is backed by their extensive teaching experience. 99% of our full-time professors have a graduate degree and one in three is a member of the National System for Researchers (Sistema Nacional de Investigadores - SNI). Given the faculty's experience and their academic quality, they will be able to guide you in finding new ways to express yourself and be critical, innovative, and creative.

UDLAP is accredited at a national and international level by the Mexican Federation of Private Institutions of Higher Education (Federación de Instituciones Mexicanas

Particulares de Educación Superior - FIMPES) and, since 1959, by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC). The accreditation agency Quacquarelli Symonds (QS) awarded 5 global stars to our university, making it the first one-campus university in Latin America to achieve this recognition. UDLAP earned 5 stars in the teaching, alumni employability, internationalization, inclusiveness, and art and culture categories; this means that we offer the highest standards of academic quality and educational services when compared to the best universities in Mexico and the world.



# CURRICULUM

## BIOLOGY



|                         | Course   | Credits |
|-------------------------|--|---------|
| 1 <sup>st</sup><br>Term | General Chemistry Lab .....  | 3       |
|                         | Foreign Language I .....   | 6       |
|                         | University Math .....  | 6       |
|                         | General Studies Elective In Natural Sciences* .....                | 6       |
|                         | General Studies Elective In Math* .....                            | 6       |
|                         | General Chemistry .....  | 6       |
|                         | Information Technologies In The Construction<br>Of Knowledge ..... | 6       |

|                         |                               |   |
|-------------------------|-------------------------------|---|
| 2 <sup>nd</sup><br>Term | Academic Reasoning .....      | 6 |
|                         | Biology .....                 | 6 |
|                         | Calculus I .....              | 6 |
|                         | Biology Lab .....             | 3 |
|                         | Organic Chemistry Lab I ..... | 3 |
|                         | Foreign Language II .....     | 6 |
|                         | Organic Chemistry I .....     | 6 |

|                         |  |   |
|-------------------------|--|---|
| 3 <sup>rd</sup><br>Term | Biochemistry I .....                                   | 6 |
|                         | Academic Writing .....                                 | 6 |
|                         | Mycology Lab .....                                     | 3 |
|                         | Protists And Algae Lab .....                           | 3 |
|                         | Foreign Language III .....                             | 6 |
|                         | Mycology .....   | 6 |
|                         | General Studies Elective In Behavioral Sciences* ..... | 6 |
|                         | Protists And Algae .....                               | 6 |

|                         |   |   |
|-------------------------|---|---|
| 4 <sup>th</sup><br>Term | Cellular Biology .....                        | 6 |
|                         | Biochemistry II .....                         | 6 |
|                         | Inferential Statistics .....                  | 6 |
|                         | Microbiology Lab .....                        | 3 |
|                         | Zoology Lab I .....                           | 3 |
|                         | Microbiology .....                            | 6 |
|                         | General Studies Elective In Humanities* ..... | 6 |
|                         | Zoology I .....                               | 6 |

|                         | Course                                  | Credits |
|-------------------------|---|---------|
| 5 <sup>th</sup><br>Term | Molecular Biology .....                 | 6       |
|                         | Botany I .....                          | 6       |
|                         | Botany Lab I .....                      | 3       |
|                         | Zoology Lab II .....                    | 3       |
|                         | General Studies Elective In Arts* ..... | 6       |
|                         | Professional Practices 1 .....          | 6       |
|                         | Zoology II .....                        | 6       |

|                         |  |   |
|-------------------------|--|---|
| 6 <sup>th</sup><br>Term | Botany II .....                          | 6 |
|                         | Animal Physiology .....                  | 6 |
|                         | Genetics .....                           | 6 |
|                         | Cellular And Molecular Biology Lab ..... | 3 |
|                         | Botany Lab II .....                      | 3 |
|                         | Animal Physiology Lab .....              | 3 |
|                         | Biotic Resources Of Mexico .....         | 6 |
| Select Topics 1 .....   | 6  |   |

|                         |  |   |
|-------------------------|--|---|
| 7 <sup>th</sup><br>Term | Ecology And Environmental Change ..... | 6 |
|                         | Plant Physiology .....                 | 6 |
|                         | Plant Physiology Lab .....             | 3 |
|                         | Ecology Methods .....                  | 6 |
|                         | Professional Practices 2 .....         | 6 |
|                         | Select Topics 2 .....                  | 6 |

|                         |                                       |   |
|-------------------------|---------------------------------------|---|
| 8 <sup>th</sup><br>Term | Biology Of Development .....          | 6 |
|                         | Evolutionary Biology .....            | 6 |
|                         | Ecology Of Communities .....          | 6 |
|                         | Biology Of Development Lab .....      | 3 |
|                         | Evolutionary Biology Lab .....        | 3 |
|                         | Conservation Methods In Biology ..... | 6 |
|                         | Select Topics 3 .....                 | 3 |

TOTAL CREDITS 303



## UDLAP OUTREACH

Prestigious national and international companies have a relationship with the university. As an UDLAP student you have the best opportunities to access and succeed in the working world, either through professional practices or research projects that will help you enter the job market once you graduate.



## BE PART OF THE UDLAP COMMUNITY

Your academic formation can be complemented through extracurricular workshops offered at the university, as well as by participating in student organizations and cultural and sports activities that will contribute to your growth as a student and future practicing specialist.

If you live in one of the four residential colleges, you will enjoy the university environment thoroughly and be able to socialize with students of

other Bachelor's and other cultures, thus complementing your academic formation with significant experiences that will have a great impact in your personal and professional relationships. Living at UDLAP provides recreational areas and all the services you need, in addition to the amenities found in an apartment.

The university also has dining services, snack areas, and ATMs, among other facilities.



# YOUR TIME IS NOW. JOIN US

## ADMISSION PROCESS

- Take the entrance exam.
- Students from high schools that have an agreement with UDLAP do not have to take the entrance exam. Consult the list of participating high schools at: [www.udlap.mx/preparatoriasdeconvenio](http://www.udlap.mx/preparatoriasdeconvenio)
- Deliver the basic documents for admission: [www.udlap.mx/solicitudes](http://www.udlap.mx/solicitudes)
- Information and deadlines for scholarships can be found at: [www.udlap.mx/becas](http://www.udlap.mx/becas)
- Current fees and tuition: [www.udlap.mx/finanzas](http://www.udlap.mx/finanzas)

## WE WANT TO HEAR FROM YOU

### Students Recruitment:

Tel.: +52 (222) 229 21 12

[informes.nuevoingreso@udlap.mx](mailto:informes.nuevoingreso@udlap.mx)

 (+521) 222 577 38 29

### Scholarships:

Tel.: +52 (222) 229 27 02

[informacion.beca@udlap.mx](mailto:informacion.beca@udlap.mx)

### International Recruitment:

Tel.: +52 (222) 229 20 00 Ext. 4758 • 3165

Toll Free Number from USA: 1 844 873 2970  
[abroad@udlap.mx](mailto:abroad@udlap.mx)

### Switchboard:

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**UDLAP**<sup>®</sup>  
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THE **UDLAP** ACADEMIC  
QUALITY AND PRESTIGE  
ARE ENDORSED BY **QS**,  
**SACSCOC** AND **FIMPES**



## Universidad de las Américas Puebla

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