



UNIBE
UNIVERSIDAD DE IBEROAMERICA

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1-PRESIDENT'S MESSAGE

Universidad de Iberoamérica has strived combine the elements that define the best system of higher education: the best instructors, the best methods to gather information about the latest scientific research, modern laboratories and adequate physical facilities.

After more than a decade of our inauguration we are delighted to see the results of our efforts. Our graduates have professional careers in different areas of the medical sciences field. We have graduate students from many countries and the agreements that we have with other Universities allow the graduates to continue their specialty studies in other countries like Israel.

The University promotes the values of our country, Costa Rica, which highlights political stability, a profound sense of democracy and a permanent invitation to respect the values of ecology.

As Provost of Universidad de Iberoamérica, I invite you to learn more about our institution and the academic programs. We offer conferences and seminars that are organized in our campus constantly. On behalf of our community, students, faculty, staff, parents and alumni, we warmly welcome you to visit us and learn about Universidad de Iberoamérica, a Higher Education Institution dedicated to the Health Sciences.

Dr. Israel Hernández Morales
Provost of Universidad de Iberoamérica

2-DIRECTORS AND OFFICES

Provost: PhD. Israel Hernández

Academic Council Director: Ms Emma Grace Hernández

Executive Director: MBA. Krissia Leiva

Dean of Medicine: Dr. Cristian Blanco Chang

Dean of Pharmacy: Dr. Lissette Rodríguez

Dean of Psychology: Dr. Ericka Coto

Dean of Nursing: Dr. Patricia Robles

3-ABOUT COSTA RICA

Country profile

Costa Rica, is located in Central America with San José as the capital city. Costa Rica is a beautiful, lush country with a tropical climate, has no standing military, Costa Rica is the world leader in ecotourism and to devote large areas of its national parks for the protection of nature with an emphasis in the respects to the biodiversity. The official language is Spanish and English is widely spoken especially in tourist areas.

The population of Costa Rica is approximately 4 million; 1.5 million live in the city of San José and the currency is the Colon. The climate is warm and tropical year-round with an average temperature of 77° Fahrenheit (25° C). The time is the Standard Time Zone: UTC/GMT -6 hours, no daylight savings time, Central Standard Zone (CST). The electricity is the same as in the U.S., 110 Volts, and 60 Hertz.

Getting Around

There are various options of transportation available in the country. Private taxis and Uber are available 24 hours a day. Buses are also available and are an inexpensive and safe way to travel nationwide. There is a train between San Jose, Heredia and Cartago.

Many Car Rental companies are found at the airports and throughout the city. A valid driver's license and a major credit card are required to rent a car for up to 90 days. Driving is on the right-hand side and the speed limit is 37 mph (60 mph) in the cities and 50 mph (80 kmph) on the highways, unless indicated.

Domestic Flights are available between the principal tourist areas in the country.

Holidays

Schools, stores, banks, government offices and most businesses close on the following holidays:

January 1st - New Year's Day

April 11th - Juan Santamaria's Day

Thursday and Friday on Holy Week

May 1st - Labor Day

July 25th - Annexation of Guanacaste

August 2nd - Virgin of the Angeles's day

August 15th- Mother's Day

September 15th- Costa Rican Independence Day

October 12th - Day of Race

December 25th- Christmas Day

Communications

Costa Rica has one of the most sophisticated telecommunications systems in Latin America. If you are calling from a foreign country you must dial 506 which is the country code number. Other services such as Internet, Voice Mail, Fax, Tele/Video conferencing, Electronic Mail, telex, etc., are also available. Five local Spanish-language newspapers are available on a daily basis. One English language newspaper appears weekly. There are fifteen national TV stations and through cable or satellite services you can get a full US Programming.

4- About Universidad de Iberoamérica

The opportunities for healing in our time are endless, at Universidad de Iberoamérica we recognize the learning needs of our student to become a health professional. Universidad de Iberoamérica provides responsible and innovative higher education with advanced technology, high level human resources, and a complete Clinic situated next to our campus.

Our Vision and Mission are to train professionals in the health sciences with the highest academic level, with humanistic vision, internationally competitive and committed to their community, also to be the leading university in the training of professionals in health sciences in Latin America.

With values such as: Quality Service: to anticipate, recognize and meet the needs of others. Solidarity: with each other and especially with the Costa Rican people. Commitment: believing firmly in the group's goals. Leadership: inspiring and guiding groups and individuals. Teamwork: create group motivation and cooperation to seek common goals. Reliability: maintain a standard of honesty and integrity.

Our History

At the beginning of the 1990's a group of professionals, concerned about the need to improve and raise the level of higher education in Costa Rica, joined to create a viable alternative. The group decided to focus on the most important deficiencies in the medical sciences concluding that there was a need for a strong training program that would create an integral professional with a sufficient command of the English language and the knowledge of computer science, and a humanistic orientation on a level similar to that of health-care professionals from developed countries. The methodology of teaching should orient and stimulate the teaching-learning process with a holistic approach in order to achieve our objective.

Universidad de Iberoamérica opened its doors on March 27, 1995. Its goal was to promote an

idealistic concept in which the student undergoes a training philosophy that emphasizes integrity and a strong human commitment. We opened the campus with the School of Medicine and the School of Nursing; later on, expanded with the School of Pharmacy making Universidad de Iberoamérica the first private University in Costa Rica to offer this degree. In 1998, Universidad de Iberoamérica continued its expansion, opening the School of Psychology. At a later time, we offered the first Master of Psychology degree in Costa Rica. In 2000, three new Master's Programs were added, Educational Psychology, Intensive-Care Nursing and Health Services Administration.

Mission Statement

Universidad de Iberoamérica was founded by a group of dedicated individuals who wanted to improve the excellence of health education so that medical professionals will be prepared to meet the demands of the 21st Century.

At Universidad de Iberoamérica, our mission focuses on providing responsible and innovative higher education with the best academic and technological resources. Our goal is to produce a medical professional who practices preventive medicine and also offers community assistance. Our program outlines this philosophy with an objective of educating a physician who will be dedicated to the service orientation needed in our continuously developing world, and who also will be prepared to assume a leadership role in the community. Dedicated faculty and staff promote discovery and exploration of knowledge and its application to life-long success through effective teaching, service, creative partnerships, scholarship and research.

- We have a complete and up-to-date curriculum, the scope, presentation, and implementation of which will focus on the achievement of academic excellence;
- Offer students an enriched environment that will encourage them to pursue their studies;
- Provide the necessary theory and practical training and to promote correct clinical attitudes that result in the healing and prevention of diseases that affect our communities;
- And promote a concern for interpersonal respect and professionalism.

As a pluralistic university, Universidad de Iberoamérica encourages scientific and philosophical diversity, respects religious and political ideologies, and makes no distinction on the basis of race, color, gender, religion, ethnic origin, physical ability, or sexual orientation.

The faculty consists of over 250 members; most of them are professionals with sound reputations and credentials from top U.S. and European universities.

Accreditation

A. National Accreditation System of Higher Education, SINAES (Sistema Nacional de Acreditación de la Educación Superior, SINAES)

B. National Council of Private University Education, CONESUP (Consejo Nacional de Enseñanza Universitaria Privada” (CONESUP, Costa Rica);

C. Universidad de Iberoamérica has been recognized by the World Health Organization (WHO) as well.

Agreements

Universidad de Iberoamérica has signed important agreements with prestigious international universities and institutions. In addition, has established cooperative programs and exchange programs that include professors, students, and technological support. Those agreement are not available for citizen or residents of the USA participating in the William D. Ford Federal Direct Loan Program.

The Campus

The Campus is located in the northern part of San José; in an urban community, has more than 75,000 square feet of infrastructure space, including anatomy, physiology, histology, and chemistry and computer science laboratories. All are modern, and fully equipped with the most precise instruments and the latest technologies. Universidad de Iberoamérica also has Power Labs, multi-media-style computers systems applied to teaching medicine, in order to maximize the learning process. Universidad de Iberoamérica has two Conference Centers which are available for 150 or 200 people as well, new building of faculties with six floors with an International Center of Clinical Simulation.

5- STUDENT SERVICES

Universidad de Iberoamérica provides services and support for students, assuring a wide range of opportunities for a diverse student population. Student, who come to Universidad de Iberoamérica with hopes and high expectations, face challenges which can be channeled into a positive direction or which can prove to be overwhelming. Our staff believes that educators both within and outside the classroom can make a positive difference in the lives of students.

Staff members are available to guide the student’s experiences. However, the student is ultimately responsible for personal choices and decisions. The Student Services staff is also responsible for operation facilities, supporting programs, and providing cost- effective service to meet the needs of our students. We assist student with important information from the Registers office, International Programs, Student Life and Financial Aid.

Universidad de Iberoamérica fosters the challenge of teamwork and the exchange of ideas. Students participate in a number of curricular and extracurricular activities aimed at enhancing their development as individuals and community leaders. Counseling and information are also available.

We offer:

- Job placement
- Community-service plan
- Academic support
- Counseling and student orientation
- Information on student living and residences
- International exchange agreements.

Library: CID (Document Information Center)

One of the many educational resources available to students is the University Library. It is managed by professional staff librarians willing to assist students. We hold a wide variety of resources in multiple formats, including print, multimedia (CD ROM video, audio cassettes, microfilm, microfiche, and records). These resources allow the library staff to ensure that students and faculty have access to the information they need to fulfill their educational and research goals. The library faculty and staff provide professional and technical assistance and instruct users in the best methods of utilizing the library's resources. The CID holds updated and special bibliographical material in a variety of fields, including Medicine, Psychology, Nursing and Pharmacy. In addition, the computer center offers on-line computerized resources such as Med-Line and Internet services, plus many medical related CD-ROM databases.

Cafeteria

Universidad de Iberoamérica has two cafeterias managed by professionals and offers a wide variety of balanced meals and beverages to meet the needs of the students, faculty, and staff.

Laboratories

Universidad de Iberoamérica has the required equipment to teach the most advanced laboratory techniques in Anatomy, Biochemistry, Histology, Microbiology, Pathology, Physiology, and Pharmacology. The Medical School and the School of Nursing have a special Medical-simulation library for Emergency Medicine, including mannequins which are used to teach CPR maneuvers, airway intubation, central and peripheral vein canalization, and surgical saturation.

Continuing Education

Since 1998, the Institute of Continuing Education in Health Science has been dedicated to developing continuing education for professionals. Developing activities in the areas of psychology, nursing, medicine, and pharmacy that allows students and professional graduates' access to conferences and symposium, forums on current, up-to-date topics with the objective to keep the professional on the cutting-edge in the health sciences. The medical

professionals not only have an opportunity to participate with other national prestigious professionals but also with well-known International specialists in various areas.

International Center of Clinical Simulation

The International Center of Clinical Simulation is an academic department attached to the rectory of the Universidad de Iberoamérica, designed with the purpose of generating the best clinical skills with the most advanced technology of the world.

Its main objective is to improve and strengthen the skills of the students in a safe and controlled manner, ensuring also an integral training in skills.

The excellence in teaching joins the research to improve the quality of surgical medical procedures, it has the Naori platform, which is a surgical medical computer, based on a principle of artificial intelligence that allows physicians safe surgery planning and education to the patient and his/her family about the treatment.

The mission is to offer all the faculties of the University and the affiliated health services, an integral area of simulated practice of high academic and technological level, with the commitment to teaching skills and clinical competences to students with an approach based on quality and patient safety.

The vision is to become the leading international center of clinical simulation in the region, in the process of teaching through the use of the innovative technologies that it has.

The ICCS has a dynamic portfolio of services, where describes the schedules, scenarios, inputs or devices available to the different faculties of the University. The ICCS has four practice modules, each with its respective chamber of observation and control.

It has a high-level hospital pharmacy, nurse station, equipment station, clinical session's room, procedures room, electrocardiography room, multipurpose, clinical laundry area, medical imaging room and clinical supply area.

Practice modules have androids and all instruments for reproducing the hospital conditions of an internment room, an intensive care unit, childbirth and gynecological examination room, newly born care and pediatrics. There is also a simulated operating room featuring everything you need for a simulation of high fidelity, including one of the most modern anesthesia machines of the country.

Currently, the ICCS also has an intensive care unit with the modern Android Meti Man, which is a high-fidelity simulator that allows more than 5 thousand possible clinical scenarios related to various human pathologies, such as cardiovascular and cerebrovascular diseases.

It also includes, within the large inventory of phantom inputs of arms and legs for sutures, limbs for venipuncture and blood gas, models for placement of tubes, among many others.

UNIVERSIDAD DE IBEROMÉRICA CLINIC

The Clinic is a private medical center, which believes that quality healthcare should be

available to all, so it is committed to maintaining affordable prices. It also seeks to direct the specialized services under the concept of holistic health and health prevention. Our priority is to guide the care provided to the complete physical, mental and social development of each of our users. Its work is strengthened through the pursuit of excellence in all services being provided. At the individual level: ambulatory care, focused on health prevention and promotion of healthy lifestyles, and operating room services for birth care, plastic and reconstructive surgery, maxillofacial surgery, laparoscopic and arthroscopic, among others. At the corporate level: medicine programs offer various corporate businesses for both the medical evaluation of human resources and health diagnosis of the company. It also develops international programs aimed at tourism and health sector. (AAAASF) Accreditation ensures compliance with international standards in areas such as the general environment in the operating room, policy and procedures in the recovery room, policy and procedures, general safety in the institution, blood and drugs, records medical quality assessment, continuous quality improvement, staff and general policies and procedures regarding anesthesia.

UNIVERSIDAD DE IBEROAMÉRICA PHARMACY

Our Pharmacy has a wide range of medicines and personal attention from the pharmacist. We have implemented a free vaccination and blood pressure control program.

Clinic Laboratory

Universidad de Iberoamérica Clinic has joined forces with the Clinical Laboratory San Jose, to provide a specialized service of high quality. We offer a wide range of laboratory tests and a series of profiles that can be tested with the support of San Jose Laboratory and comfort in prices.

Medical images

Universidad de Iberoamérica Clinic made an alliance with the Clinical Santa Fe to provide a quality service in the area of medical imaging. We offer specialized care in the diagnosis and prevention of disease in general, supported in a deep concept of ethics in the practice of medical practice, with the latest equipment technology and modern facilities provide a welcoming atmosphere and personal attention. All geared for the direct benefit and satisfaction of our patients. At the Clinic, we offer the following services: Bone densitometry, X-rays, 4D Ultrasound and High-Resolution Color Doppler Ultrasound and mammograms.

We believe that the learning process begins in the classroom, but it continues at the patient's side, where the student of Health Sciences will have the chance to integrate knowledge and bedside manners. Our outpatient clinic is modern and fully equipped.

6- ACADEMIC PROGRAMS

Academic information

Definitions:

a. Credit is the unit of value of the student work, which is three clock hours per week for a period of 15 weeks, applied to an activity that has been monitored, evaluated and approved by the instructor. Working hours to be included in credit allocation should correspond to activities subject to evaluation and also, whether formal or informal approval of the subject or activity.

The definition so formulated, seeks to integrate into the unit valuation every student's academic activity. Within this academic activity includes both the hours designated in the formal schedule, as those hours of study, practice, or any other activity necessary for the acquisition of knowledge or skill. The determination of the formal hours is immediate and objective, not the determination of hours of study or additional practices necessary to require a subjective criterion for estimation. This subjective standard should be applied as far as possible, instructors who taught each lecture, whose knowledge of it is more direct.

b. The term "Academic load" is the number of credits and the list of class, laboratories and other activities in which a student enrolls. One term consists of 15 weeks of classwork.

c. The term "Faculty" is the highest academic body of the university and it depends on the organization, operation, coordination and career development.

d. The term "Academic Period" is the academic year which includes two terms of fifteen weeks of instruction for each term.

To enter as a regular student at Universidad de Iberoamérica a prospect student requires:

1. Certificate of completion of studies of High School or its equivalent, recognized by the authorities of the Ministry of Education.
2. Have in your senior year an average grade of not less than seventy in a one hundred scale.
3. Comply with the procedures of registration that the Universidad de Iberoamérica University established.
4. Pay for registration fees.

The student is required to meet all jobs and tasks assigned to it and must deliver them to their instructors on dates determined by them, under the terms of form and set in the program or the Regulations Final Papers Graduation as appropriate.

To be entitled to graduation, students must conclude all subjects included in the study plan of the respective level and professional practice. The students must also demonstrate to the

satisfaction of the University, the knowledge of a second language, the basics of word processing, the use of spreadsheets and should have complied with the thesis or graduate work, and career levels where is required, must have met the minimum requirements set by the university, community service and extension. Student should comply with their financial obligations to the University. In this way, at the request of the student, the Dean of the Faculty will examine the relevant records and order the inclusion in the graduation certificates and the issuance of the records and securities.

Universidad de Iberoamérica has a strong network of teaching hospitals, where the students can advance their learning and polish their bedside skills and manners.

Main Hospitals in Costa Rica

- A. Hospital México.
- B. Hospital Raúl Blanco Cervantes.
- C. Hospital Calderón Guardia.
- D. The National Children's Hospital.
- E. Hospital Max Peralta.
- F. The Women's Hospital.
- G. Hospital San Vicente de Paul.
- H. The National Psychiatric Hospital.
- I. Hospital Dr. Carlos Luis Valverde Vega, San Ramón
- J. EBAIS (36 small clinics)

EBAIS

This is a program of Basic Equipment of Comprehensive Care in Health (Equipos Básicos de Atención Integral en Salud,) (E.B.A.I.S. by its acronym in Spanish) administrated by UNIBE, where practices are included and students can do several programs of health prevention and promotion, including workshops for patients with high cholesterol, diabetes and hypertension, childbirth, exercise groups, memory workspaces, caregivers of elderly, swimming groups for older adults, among others, directly with the population.

It has three areas of health located in the east area of the capital San José; Montes de Oca, San Juan, San Diego and Concepción and Curridabat with 36 small clinics.

Academic Calendar

Classes at Universidad de Iberoamérica are based on 15-week terms with a two-week break between each term. This distribution allows for the completion of three terms in a calendar year. An academic year is a period of two consecutive terms. The applicants may choose from three different entrance dates: January, May and September. Orientation Week begins the Wednesday before the first week of classes. Classes Begin in January, May and September.

Classes end on the last Friday of the 15th week of the term.

If the beginning of class period falls on a holiday listed in the Holidays section of the Profile of the Country, classes will resume on the next business day. This Calendar may vary slightly. A detailed current Academic Calendar will be mailed to students upon receipt of their deposit, and will be given again during the orientation workshops at the beginning of term. Also, student can verify the Calendar on the Web`s services.

Academic Evaluations

Universidad de Iberoamérica evaluates a student's performance by various means. Individual evaluation is a continuous process throughout the duration of the term. Performance is measured through research, work, presentations, class participation, exams and any other evaluation method considered efficient in accordance with the general and specific objectives of the class. Exams take place on an eight-week interval and a final exam during the last week of the term.

Universidad de Iberoamérica requires that all students enrolled in class that grant academic credit completes a final exam or equivalent evolutionary activity, according to the program. In any case, there must be evidence of the instrument used. Other tests and evaluation tools are necessary for the development of the class the student should review the same upon request.

The following reference to academic regulations is a general summary of important aspects and does not constitute the entire set of academic policies. Universidad de Iberoamérica`s academic requirements and regulations are contained in the Academic Regulations Handbook.

Grading system

At Universidad de Iberoamérica we use numerical grades on a scale (1-100).

Letter Grade G.P.A. Numerical Grades

Letter Grade	G.P.A.	Numerical Grades
A	4.0	100-93
A-	3.7	92-90
B+	3.3	89-87
B	3.0	86-83
B-	2.7	83-80
C+	2.3	79-77
C	2.0	76-73
C-	1.7	72-70
D+	1.3	69-67

D	1.0	66-60
F (failing)	0.0	59-0

If a student receives an F "failing" (59-0) he/she must repeat the course. A student may choose to take a temporary "incomplete"("I") if she/he has some work remaining, or test pending to finish the class. If she/he does not complete the outstanding work within the time limit established by the academic calendar and / or professor, the "incomplete" automatically will become a "failing".

Good standing

A student will remain in good academic standing when each of the following conditions is met:

1. C average or above is maintained;
2. Ethical behavior is observed;
3. Financial obligations and commitments to the university are met.

Attendance

All students enrolled in the University are expected to attend all classes. Attendance and participation are two of the most significant factors that promote student success. Students are responsible for completion of all work assigned in class whether they are present or not. If a student has an unjustified absence from class for more than fifteen percent of all lessons he/she will be administratively withdraw from the class with a WR - Wrongful Removal - by instructor recommendation through the Dean, who shall report in writing to registry. The Registrar are shall notify the student. Class attendance and all activities are scheduled as part of the class is mandatory. The professor will control the student's assistance and will determine in a case of an absence if it is justified or unjustified and will report the information to the respective Dean.

At the begging of each course the student will receive the class syllabus which includes the following information:

1. Name and purpose of the class
2. General and specific objectives
3. Specific program and timetable contained in their respective
4. Methodology and teaching techniques
5. Date and evaluation procedures
6. Special works particularly those applicable.
5. Mandatory Textbooks
6. Consultation bibliography
7. Commitment to social service research program or outreach projects.

Each instructor is required to keep records of the class with details on attendance, discipline, and performance and student achievement.

Satisfactory progress

The grading system at the University is designed to indicate the level of performance and achievement of individual students in each class where credit is granted, as well as to provide cumulative evidence of satisfactory academic progress.

Academic Probation

Students who do not make satisfactory progress will be placed on academic probation and must meet with an adviser, who may require enrollment in a specific course or corrective courses in an attempt to correct the problem.

Academic Suspension

Students who do not make satisfactory progress while on academic probation will be placed on suspension.

MEDICINE

“The Licenciatura en Medicina” degree requires completing 6.5 academic years and 185 credits to graduate. The total program is 13 terms of 15 weeks each, where each two terms will be one academic year. After each term, there is a two-week recess. After completing the program, the students will also have to complete a 5-term internship and comply with the thesis or graduate work. All students are required to provide 150 hours of community service. Terms 1 to 4 students will complete the basics sciences part of the program, in terms 5 to 13 students will complete the medical science curriculum. The students rotate through different clerkships in Costa Rica, such as internal medicine, surgery, pediatrics, psychiatry, obstetrics, gynecology, geriatrics, clinical epidemiology, family and community medicine, emergency medicine, and radiology. Students enhance both their clinical and diagnostic skills by rotating in Class A hospitals around the country.

PHARMACY

“The Licenciatura en Farmacia” degree requires 5 years and 177 credits to graduate. The program is a 10-term program, 15 weeks each, where each two terms will be one academic year. After each term, there is a two-week recess. In order to graduate the student will have to complete a thesis. All students are required to provide 150 hours of community service. The first year is intended to broaden the student’s knowledge in the basic sciences: physics, biology and chemistry. Students complete the program with advanced pharmacy practice experiences in a variety of acute, ambulatory, long-term care, and community settings. Our graduates will be prepared to identify, solve and prevent medication related problems, and learn to provide patient care, to achieve positive outcomes.

PSYCHOLOGY

“The Licenciatura en Psicología” degree requires 5 academic years and 172 credits to graduate. The total program is 10 terms of 15 weeks each, where each two terms will be one academic year. After each term, there is a two-week recess. Our psychology program includes a Bachelor’s Degree in Psychology and three Master Programs, Education Psychology,

Clinical Psychology and Forensic Psychology. Also, to graduate the student will have to comply with thesis. All students are required to complete 150 hours of community service.

NURSING

Our Nursing program includes a Bachelor's Degree in Nursing and a graduate program, Critical Care/Trauma Nursing. "The Licenciatura en Enfermería" requires completing 5 academic years and 160 credits to graduate. The total program is 11 terms, where each two terms will be one academic year. After each term, there is a two-week recess. In term 11 students will complete clinical rotations with options in emergency services, general medical and surgical services or outpatient and community service.

Language

Our classes are taught in Spanish, for students that are not fluent in the Spanish language or would like to expand their knowledge of the Spanish language we offer an introductory term of 4 month to learn the Spanish language with focus on writing and oral expression. After the completion of the introductory term, the student will take an assessment to determinate the level of comprehension of the language and to determinate if additional training in a form of tutoring or additional classes is needed.

Our goal is to assist the students with the learning of the Spanish language and the transition to the regular classes taught in Spanish.

7-ADMISSIONS

Universidad de Iberoamérica seeks to admit students who possess the intellectual ability, development, and inspiration necessary for success in educational programs. We welcome application from a diversity of students including traditional college age students, adults who will combine their educational pursuits with work or life-long learners who are simply seeking enrichment. Programs and class are offered for fulltime and part-time, also are offered in a variety of formats and times including traditional day classes, night classes and weekend classes. Students are encouraged to apply well in advance of proposed start dates. The University reserves the right to investigate and review the records of any applicant to determine the applicant's eligibility to enroll.

The best indicator of a student's future academic performance at Universidad de Iberoamérica is his/her performance in high school. When the Board of Admissions reviews the student's high-school transcript, a variety of factors are considered:

- a) Enrollment in AP or IB level class;
- b) Counselor or instructor recommendations;

Admissions procedures

First time applicants must complete the following:

- Admission test
- Admission Interview.
- Original and copy of high school diploma (**)
- Two passport photos.
- Two letters of recommendation.
- Photocopy of the identity card, birth certificate or passport.
- Updated vaccination card specifying the following immunizations:
 - Measles
 - Rubella
 - Mumps
 - Varicella (two doses)
 - Hepatitis B (three doses)
 - Influenza
 - Chickenpox
 - Flu
- Medical report which certifies the overall health status of the student.

International students applying for admission for the first time must complete the previous steps and in addition they must submit the following document

- Admission form
- Housing form
- Health Certificate Form
- High School Diploma (**)
- High School transcripts. (**)
- Birth Certificate (**)
- Police record of non-delinquency. (criminal record) (**)
- Higher Education transcripts. (Only if the student is presenting credits from another university or college to be review for transfer to our program) (**)

(**) These documents must be certificate with an Apostille in the countries that participate in The Hague Convention an Authenticated by a Costa Rica Consulate for all other countries.

Transfer students

Students transferring to Universidad de Iberoamérica from other colleges or Universities both foreign and Domestic must also bring an official transcript and class syllabus. For the Nursing and Psychology programs we do not accept transfer students.

Once the application is received the prospective student will receive written notification of its receipt. All documents first will be verified for authenticity. All original documents and the application submitted become property of Universidad de Iberoamérica and will not be returned. The admission committee will decide whether the applicant is eligible for admission. The applicant will receive written notification of the admission committee's final decision.

Should the admission committee recommend admission for the applicant, she/he may be requested to attend an interview. Universidad de Iberoamérica reserves the right to withhold the basis for an applicant's admission denial. This information will be handled as confidential and used exclusively by the Admissions Department.

Our Academic Board will consider transfer applications. Only students from accredited universities, who meet all our admission requirements, are eligible. If, at any point, Universidad de Iberoamérica determines that any document has been altered or forged, the student will be expelled from the university, tuition and fees will not be refunded, and any class taken will not be accredited.

Student Placements

Universidad de Iberoamérica's prestige and high academic standing guarantee that all of our students will be placed in the top Hospitals in the country. There are a high percentage of students who continue their specialty in the abroad and this allows them to have great credit on his return and a better placement in the market. The best specialists in Costa Rica are from Universidad de Iberoamérica.

Student Visa requirements for International Students.

Universidad de Iberoamérica assist student with their visa processed, help them to complete all documents required. All Foreign students must have the Student Visa to legally study in Costa Rica.

Students must submit the following documents when enrolling to Universidad de Iberoamérica for migration purposes in Costa Rica:

- **A Letter request** to the General Director of Migration where the students indicate the reason for the special permit, also indicate occupation, name, date of birth, the arrival date, passport number and expiration date, indicate the time to stay in Costa Rica and the phone number where you receive notifications about your process status (This Letter is by Universidad de Iberoamérica).
- **Copy of the complete passport** and Certified by a Lawyer.
- **Fingerprint Registration** in Costa Rica from Ministry of Public Security in File Police Department fingerprinting.
- **Consular Registration Inscription** from the Embassy located in Costa Rica.
- 2 photos (2"X2") with the name on the back.
- **Birth Certificate**, Apostil or authenticated by Costa Rican Consulate and then presented it at the Ministry Foreign Affairs to be certified.
- **Police Report of Non-delinquency**, Apostil or authenticated in the Costa Rican Consulate then presented it at the Ministry Foreign Affairs to be certificated.

- If the student is married he/she has to provide a **Marriage Certificate**, Apostilled or authenticated by Costa Rican Consulate then presented it at the Ministry Foreign Affairs to be certified.
- Fill out the **Affiliation Form** from Costa Rican Migration Office.
- **Letter from the Student** requesting the Student Visa.
- **CPA**, Certificate showing economic solvency by a public counter authorized in Costa Rica.

NOTE: All the documents in different languages have to be translated in Spanish by an Official Translator from the Ministry of Foreign Affairs in Costa Rica. (www.rree.go.cr)

Student orientation

Orientation is required for new students to Universidad de Iberoamérica. During orientation, the students have the opportunity to:

- Learn about campus resources
- Take a campus tour
- Meet with an academic advisor
- Complete the Individual Learning Plan (ILP)
- Register for classes
- Receive information on living in Costa Rica
- Make new friends
- Housing advising

Academic Advising

Quality academic advising is vital to student success in higher education. Universidad de Iberoamérica makes advising an important process for our prospective students and for current students helping students understand the general education and graduation requirements select and pursue a course of study, create a plan to graduation, and solve academic problems.

Registration

Students should register during designated registration times. Once students have registered for a class, they have incurred a financial commitment which must be met. Students must be registered for all classes prior to attendance in these classes. If a student's name does not appear on a class roster, he/she may not sit in or otherwise attend the class. Students who fail to attend a class without following drop/withdrawal policies will receive a grade NSP, and those students will still be charged full tuition and fees. Students with an outstanding balance will not be permitted to register for the future terms.

Tuition and fees

The payment of charges for tuition, fees, housing and board is part of the Registration process. Universidad de Iberoamérica encourages full payment of all tuition and related fees by the last day of the regular registration period for the current quarter or term. Payment of fees may be done on-line using Universidad de Iberoamérica's web (www.unibe.ac.cr) on line through National Bank of Costa Rica (BN) or at the office of the Student Financial Services. Students are permitted to pay with a personal check and Credit Card, as well. Tuition and fees must be paid immediately after the student has finished the class selection process, which generally takes place three weeks before the beginning of the next quarter term. Included in the fees are: emergency medical insurance, student card that allow students to use all laboratories, library, Internet, among others.

Returned checks policy

A fee of 20% will be charged for any check returned to Universidad de Iberoamérica, for any reason. Please note that all checks issued by banks outside the United States will be charged with a processing fee of \$25. In order to avoid this additional charge, we suggest cashier's checks or postal money orders, purchased in the United States or in U.S. dollars.

Late registration fee

All students not registered prior to or during registration week must obtain the permission of the Dean for late registration. If permission is granted, a late fee will be charged: 20% if registered is one week after classes started. Registration will not be allowed thereafter.

Penalties

A late-payment fee will be charged to those students who do not meet their financial obligations on time. This fee varies according to the delay. There are 4% interests per a late month. Any student who is still unable to meet payment after this date must contact the admission department immediately as his/her name will not appear on the official class lists, thus rendering her/his academic works invalid. The university reserves the right to deny either admission or registration to any student who has not met his/her financial obligations.

Refund Policy

Students are entitled to refund only the first two weeks after beginning class with 75%, this refund is only for Tuition fees. Universidad de Iberoamérica will charge 25% Administrative fee. After the two weeks, students are not entitled to refund. The refund policy will be applied to students that decide to withdraw from the University after the beginning of the term.

Attendance

A student's class attendance must be above 85% to remain in good academic standing, and to take the final exam. In case of an absence due to illness, the student must present a medical

certificate, specifying the nature of the ailment, to the Dean who will then decide on the matter.

Withdrawal

Official withdrawal occurs when a student withdraws from the University and the required procedures are met. A student may withdraw from a class without any academic penalty during the first two weeks after beginning the Term. Universidad de Iberoamérica will charge 25% Administrative fees of the total Tuition fee. If he/she withdraws after the two weeks established by the academic calendar, the class must be subsequently repeated.

Unofficial withdrawal occurs when a student stops attending classes during a term (falling below the mandatory 85% attendance rate), or fails to register the next term and does not officially withdraw.

Drug-Free Campus

Universidad de Iberoamérica, as University of Medical Sciences, ensures the health of students, in addition to complying with our laws in Costa Rica, smoking is prohibited on campus. Our policy of maintaining drug-free campus is our way of life, focusing our professional education in health sciences.

8- FINANCIAL INFORMATION

Universidad de Iberoamérica is particularly proud of its financial aid programs. The University attempts to provide financial assistance to the maximum number of students possible. We recognize that in many instances students and/or parents are simply not able to meet the entire cost of a college education; consequently, the university participates in a variety of financial aid programs.

Scholarships and discounts

Students from Universidad de Iberoamérica can apply for scholarships or discount base on the following requirements.

- Socio-economic status: Selected students are entitled to a discount on tuition. (National students only)
- 10% discount on tuition is offered to graduated students wishing to pursue a Master's degree.
- 5% - 7% discount on tuition siblings discount.

Financing options

Loan programs listed on this page are programs administered and/or awarded through the Universidad de Iberoamérica Office for Financial Student Affairs (FSA). Borrowing money for college is a serious financial obligation. In addition to principal borrowed, interest is generally charged for use of funds. It is important to remember when you borrow money that it must

eventually be repaid. When signing a loan promissory note, you make a legal and ethical agreement. Legally, you will be required to sign the note promising to repay the loan. Ethically, you are responsible to future borrowers, since collections from old loans are a major funding source for new loans. Consider this commitment carefully when taking out a loan, and consider how much you reasonably can repay. The student must contact the financial aid office to inquire about the financing options and the options available for each program since they can vary from program to program.

Option 1 - A financing system with the Institution

The new students may pay enrollment fee and the 100% Tuition is divided into three payments during the term. Regular students may pay enrollment fee and 50% of tuition initially and the remaining 50% is divided into three payments during the term.

Option 2 - For US citizens and legal US residents that meet the requirements and who qualify can finance their careers with one or a combination of the following student loans.

A - The William D. Ford Federal Direct Loan program (DL) of the US.

Universidad de Iberoamérica has elected to participate in the William D. Ford Federal Direct Loan Program for the federal Stafford, PLUS and Grad PLUS loan programs.

B – Private/Alternative Loans. Alternative loans are non-federal educational loans available from a variety of national lending institutions. An alternative, or private loan is a loan in the student's name, however generally requires the signature of a credit worthy co-signer. The student's eligibility is determined by the cost of attendance minus other financial aid or the annual loan maximum amount as determined by the lender. In addition, the lender will look at your credit history as well as other factors to determine if it will lend to you. You may be denied by one lender and approved by another because of the different ways they interpret your information. We will process an alternative loan with the lender of your choice; however, since we are a foreign University, many lenders will not process your alternative or private loan, please contact financial aid for information.

Student Rights and Responsibilities:

As a financial aid applicant or recipient, a student has the following rights:

- To be advised of what financial aid programs are available and how to apply for them
- To be advised of the requirements in cases of withdrawal, such as refunds or repayments of financial aid
- To be advised of the requirements for maintaining financial aid standards of satisfactory academic progress and good academic standing
- To have all application information treated with the highest confidentiality

As a financial aid applicant or recipient, a student has the following responsibilities:

- To apply for financial aid early
- To submit all required forms accurately and completely

- To provide all documentation, verification of income, corrections and/or other information required to complete the financial aid file
- To accept responsibility for all forms and agreements the student signs
- To use financial aid only for the student's actual educational expenses
- To complete and entrance and exit counseling by visiting www.studentloans.gov.

Universidad de Iberoamérica has elected to participate in the William D. Ford Federal Direct Loan Program for the federal Stafford, PLUS and Grad PLUS loan programs. Listed below are the loan types, eligibility and steps that you must follow to complete your loan process from application to disbursement.

Loan Types

Federal Direct Stafford subsidized – For US citizens and legal US residents that meet the requirement and who qualify. Is awarded to student's demonstrating a financial need as determined by the federal processor as a result of your FAFSA application. Your loan eligibility is also based on your academic level (see chart below). Interest payments on this loan is subsidized (you are not charged interest) by the federal government while you are in school or during authorized periods of deferment. You begin repayment six months after you graduate or stop attending at least half-time.

Federal Direct Stafford unsubsidized – For US citizens and legal US residents that meet the requirement and who qualify. A student does not have to demonstrate financial need to receive this loan. You may borrow the cost of attendance minus all financial aid awarded and based on your academic level (see chart below). Interest payments on this loan are not subsidized by the government. You can choose to pay the interest while you are enrolled halftime or it can be accrued and added to the part of the principal of the loan that you owe. You begin repayment six months after you graduate or stop attending at least half-time.

Federal Direct Parent Plus - For US citizens and legal US residents that meet the requirement and who qualify. PLUS (Parent Loan for Undergraduate Students) Loan enable parents to borrow for each of their dependent children enrolled and meet all eligibility requirements. Parent can borrow up to the cost of attendance minus other aid. Parents have the option to defer payment until six months after the dependent student on whose behalf the parent borrowed ceases to be enrolled on at least half-time basis. Interest payments on this loan are not subsidized by the government. This loan is a credit-worthiness loan which will require a credit history approval that is performed by U.S. Department of Education Direct Loan Services Department.

Parents will need to complete a Direct Loan Application with the Financial Aid Office. This application will initiate the loan application process; you will be notified of the pre-approval decision so that we can determine final eligibility by the Department of Education. Parents will need to contact the Department of Education for payment arrangements, deferments and forbearance options. Loans are not automatically renewed. Parents must reapply annually.

Federal Direct Graduate Plus - Graduate students are now eligible to borrow under the PLUS loan program up to their cost of attendance minus other estimated financial assistance. Students need to first apply with the Department of Education to initiate the loan application process; terms and conditions applicable to Parent Plus Loans also apply to Graduate Plus Loans. All Graduate Plus Loans are awarded to all graduate students who meet the eligibility requirement upon receipt of your financial aid award letter for each academic year. This loan is a credit-worthiness loan which will require a credit history approval. Interest Payments on this loan are not subsidized by the government.

Prior to leaving Universidad de Iberoamérica Federal Stafford Loans borrowers are required to undergo exit counseling. Please contact the office of Financial Aid to obtain the appropriate paperwork for this process.

Eligibility/Requirements

Recipients of federal loans must meet the following criteria:

Completed Free Application for Federal Student Aid (FAFSA) Application annually

- Be a U.S. citizen or eligible resident of the U.S.
- Admitted to a degree seeking program
- Be enrolled at least half time when loan proceeds are received.
- Not be in default on a previous student loan or owe a repayment on a previous federal aid award received at any institution.
- Applicant cannot have an adverse credit history (for Parent and Graduate Plus loans only).
- Maintain satisfactory academic progress.

Steps to complete BEFORE the Disbursement of your Stafford Direct Loan(s)

- Review and accept your letter of Award.
- If you do not have a FAFSA PIN (personal id number) obtain one at <http://www.pin.ed.gov/> for student/parent to sign the electronic Master Promissory Note.
- Complete your FAFSA.
- First time borrowers must complete an Entrance Counseling for your particular loan type. Please visit <http://studentloans.gov>.
- Complete and submit the electronic Master Promissory Note at: <http://studentloans.gov/>

Parent Plus Loan Application Process

- A completed FAFSA must be on file.
- Submit your completed Federal Plus Direct Loan Application to the Financial Aid Office. Please keep a copy for your records.
- Complete an electronic PLUS Master Promissory Note (e-MPN) for Parents at <http://studentloans.gov/>

If your PLUS Loan is approved you will receive notification from the U.S. Department of Education. The University will disburse funds to the parent/borrower's address provided on the Federal Direct Loan Application upon receipt of funds. Student Financials will deduct from financial aid any and all monies due Universidad de Iberoamérica and remit the balance to the borrower. If the balance is to be given to the student the parent has to sign a consent form.

If your PLUS Loan is rejected, you will receive notification from the U.S. Department of Education. You will be given the option, at that time, to obtain an endorser (co-signer) to continue the loan process. If you choose not to submit an endorser application, you should contact the Financial Aid Office for information on student eligibility for alternative loans.

Interest Rates - (US Dept. of Education)

On July 1 of each year, the interest rate for applicable Stafford and PLUS loans are subject to change. To view the current interest and the loan fees you can visit www.studentloans.gov.

Receiving Your Loan Disbursement

All Federal Direct Loan funds are disbursed directly to the Financial Aid Office to confirm that enrollment criteria are met at the time of disbursement. Funds are first used to pay any current outstanding balance due. Any remaining funds are sent to the borrower per term via a refund. Students must maintain at least half-time enrollment to receive any loan funds as required by federal regulation.

Loan Cancellation Procedure

If loan proceeds have been accredited to your student account and you would like to CANCEL/RETURN all of a portion of the disbursement of this loan(s) you have 14 days from the date of the disbursement of the loan to inform the Financial Aid Office of this request.

Return of Title IV Funds

Up through the 60% point in each payment period or period of enrollment, a prorated schedule is used to determine the amount of Title IV funds the student has earned at the time of withdrawal. After the 60% point in the payment period or period of enrollment, a student has earned 100% of the Title IV funds he or she was scheduled to receive during the period.

Definitions – Dependent or Independent

Dependent: A student who at the time a FAFSA is submitted is not married, is under 24 years old, has no legal dependents, is not on active duty (other than for training), is not a veteran of the U.S. Armed Forces, is not pursuing a graduate or professional degree, and who answers “no” to specific questions about his or her status as orphan, ward of the court, legal guardianship, unaccompanied homeless youth, and emancipated minor.

Parents of a dependent student must submit parental information of the FAFSA for their son or daughter to be considered for financial aid.

Independent: A student who at the time a FAFSA is submitted is married, is at least 24 years of age, has legal dependents, is on active duty (other than for training), is a veteran of the U.S. Armed Forces, is pursuing a graduate or professional degree, or who answers “yes” to specific

questions about his or her status as orphan, ward of the court, legal guardianship, unaccompanied homeless youth, and emancipated minor.

DIRECT STAFFORD LOAN LIMITS SUBSIDIZED AND UNSUBSIDIZED		
Annual Limits for Sub/Unsub Loans	Subsidized	TOTAL (Subsidized & Unsubsidized)
Dependent Undergraduates (excluding dependent students whose parents can't get PLUS)		
First Year	\$3,500	\$5,500
Second Year	\$4,500	\$6,500
Third and Beyond	\$5,500	\$7,500
Independent Undergraduates & Dependent Students whose parents can't get PLUS		
First Year	\$3,500	\$9,500
Second Year	\$4,500	\$10,500
Third and Beyond	\$5,500	\$12,500
Graduate & Professional Students (all years)	\$ 0*	\$20,500

Aggregate Limits for Sub/Unsub Loans	Subsidized	TOTAL (Subsidized & Unsubsidized)
Dependent Undergraduates (excluding those whose parents can't borrow PLUS)	\$23,000	\$31,000
Independent Undergrads & Dependent Student whose parents can't get PLUS	\$23,000	\$57,500
Graduate & Professional Students	\$65,500**	\$138,500**
* Effective for Loan periods beginning on or after July 1, 2012, and professional students are no longer eligible for Direct Subsidized Loans.		
** Aggregate loan limits for graduate and professional student include loans received for undergraduate study. The \$65,500 subsidized aggregate loan limit shown here for graduate and professional students includes subsidized loans received for loan periods beginning before July 1, 2012, and prior subsidized loans received for undergraduate study.		
Note: these annual limit amounts are subject to change at any time as per Federal Loan Regulations		

Standard of Satisfactory Academic Progress Policy

The Office of Financial Aid is required by federal and state regulations to monitor the academic progress of potential and current financial aid recipients. Financial aid applicants must comply with the Satisfactory Academic Progress (SAP) Policy as a condition of initial or continued eligibility. Please note that even if a student has not currently applied for financial aid, or is not currently receiving aid, this policy applies and prior academic progress will be evaluated to determine eligibility for financial aid.

Satisfactory academic progress is measured both qualitatively and quantitatively. The qualitative measure requires maintaining a satisfactory grade point average. The quantitative measure requires successfully completing a required ratio of attempted credits and receiving a degree in a timely manner.

Students who fail to meet the GPA requirements at any given term will be placed on probation for one term. During this time, the student will be considered to be making satisfactory progress and can receive financial aid. If the student fails to obtain the required GPA by the end of the probation term, financial aid will be suspended. The student may appeal suspension on grounds that although the GPA requirements were not achieved; substantial academic progress was made that permits the student to reach the required GPA during the next term. The Financial Aid Coordinator may extend the probation to a second period, based on the student's merit. During this time, the student will consider to be making satisfactory progress and can continue to receive financial aid. If the student again fails to meet GPA requirements, financial aid will be suspended. Appeals on the grounds of extenuating circumstances will be reviewed case-by-case basis the Academic Council Director who may exercise his professional judgment and determine that a student is within satisfactory progress even if the student does not meet the required GPA or attendance requirements. Students suspended from the program may request to be re-admitted after one term from the date of suspension. The student will be readmitted under the same status enjoyed prior to the suspension. Once the student recovers satisfactory progress status, financial aid may be reinstated.

Student loan Code of Conduct

The Board of Governors of Universidad de Iberoamérica recognizes that ensuring the integrity of the student financial aid process is critical to providing fair and affordable access to higher education. Therefore, the Board has formalized the following guiding principles that shall be effective immediately and must be adopted by each University's Board of Trustees as soon as practicable. These guidelines are designed to avoid any potential for a conflict of interest between the University, its students or their parents in the student financial aid process.

1. University employees should receive no personal benefit.
2. University employees should not serve on lender advisory boards for remuneration.
3. The University should not provide any advantage to a Lending Institution.
4. The University should make appropriate use of any Preferred Lender Lists.

Program Regulations

Family Educational Rights and Privacy Act (FERPA): The act prohibits the release of information from a student's file to third parties without consent of the student.

Student Address: All information concerning a student's financial aid will be sent to the address provided to the enrollment office. All students should keep current address information on file.

SCHOOL OF MEDICINE ACADEMIC PROGRAM

CODE	CLASS NAME	CREDITS	REQUIREMENT
PREPARATORY COURSES			
EG0020	METHODS AND TECHNIQUES OF STUDY	0	NONE
EG0030	LOGIC AND PHILOSOPHY	0	NONE
EG0040	FIRST AID AND VITAL SUPPORT	0	NONE

I TERM

EG1022	WRITTEN AND ORAL EXPRESSION	2	PREPARATORY
IN1012	INTRODUCTION TO COMPUTER	2	PREPARATORY
HF1013	HISTORY & PHILOSOPHY OF MEDICINE	3	PREPARATORY
QO1013	GENERAL CHEMISTRY (THEORY)	3	PREPARATORY
LQ1013	GENERAL CHEMISTRY (LAB)	0	PREPARATORY
CS1013	HEALTH AND SOCIETY	3	PREPARATORY
LM1012	ENGLISH 1	2	NONE

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II TERM

ES1013	MATHEMATICS AND BIostatISTICS	3	IN1012
GE1013	BIOLOGY AND GENETICS	3	NONE
LG1013	BIOLOGY AND GENETICS (LAB)	0	NONE
FI1013	GENERAL PHYSICS	3	NONE
EG2013	RESEARCH METHODS	2	NONE
QO1023	ORGANIC CHEMISTRY (THEORY)	3	QO1013
LO1023	ORGANIC CHEMISTRY (LAB)	0	QO1013-LQ1013
LM1022	ENGLISH II	2	LM1012

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III TERM

ED1023	EPIDEMIOLOGY & DEMOGRAPHY	3	ES1013
MO1016	GENERAL ANATOMY	9	GE1013-LG1013
MO2016	NEUROANATOMY	3	GE1013-LG1013
LM2011	ENGLISH III	1	LM1022

16**IV TERM**

FS2014	PHYSIOLOGY	6	FI1013-MO1016-MO2016
LF2014	PHYSIOLOGY (LAB)	0	FI1013-MO1016-MO2016
BQ2014	BIOCHEMISTRY	4	ED1023-QO1023-LO1023
LB2014	BIOCHEMISTRY (LAB)	0	ED1023-QO1023-LO1023
MO1023	EMBRYOLOGY	3	MO1016-MO2016
LE1023	EMBRYOLOGY (LAB)	0	MO1016-MO2016
MO2013	HISTOLOGY	4	MO1016-MO2016
LH2013	HISTOLOGY (LAB)	0	MO1016-MO2016
LM2021	ENGLISH IV	1	LM2011

18**V TERM**

FP2016	PATHOPHYSIOLOGY	6	TERM IV
MQ2014	MEDICAL MICROBIOLOGY	4	TERM IV
LM2014	MEDICAL MICROBIOLOGY (LAB)	0	TERM IV
PA2016	PATHOLOGY I	6	TERM IV
LM2031	TECHNICAL ENGLISH	1	LM2021

17**VI TERM**

PT2012	PARASITOLOGY	2	TERM V
LP2012	PARASITOLOGY (LAB)	0	TERM V
PA2026	PATHOLOGY II	6	TERM V
PC4012	CLINICAL PROPEDEUTICS	2	TERM V
FA3014	PHARMACOLOGY I	4	TERM V

14**VII TERM**

ME4018	MEDICINE I	8	TERM VI
PE2016	PEDIATRICS I	6	TERM VI
FA3013	PHARMACOLOGY II	4	TERM VI

18**VIII TERM**

RA3014	RADIOLOGY	4	TERM VII
ME4028	MEDICINE II	8	TERM VII
PE3026	PEDIATRICS II	6	TERM VII

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IX TERM

GI3014	GYNECOLOGY	4	TERM VIII
OB3014	OBSTETRICS	4	TERM VIII
CI3016	SURGERY I	4	TERM VIII

12**X TERM**

SP2013	PUBLIC HEALTH	3	TERM IX
NC3013	CLINICAL NUTRITION	2	TERM IX
CI3014	SURGERY II	6	TERM IX

11**XI TERM**

ME4063	EMERGENCY MEDICINE	4	TERM X
DE3012	DERMATOLOGY	2	TERM X
ME4032	LEGAL MEDICINE	2	TERM X
PS3013	PSYCHIATRY	3	TERM X

11**XII TERM**

GR3013	GERIATRICS	3	TERM XI
ME4043	WORK MEDICINE & REHABILITATION	3	TERM XI
ED1033	CLINICAL EPIDEMIOLOGY	3	TERM XI
EM3011	MEDICAL ETHICS	2	TERM XI

9**XIII TERM**

PB0113	BASIC PROCEDURES IN MEDICINE	2	TERM XII
MC4053	COMMUNITY AND FAMILY MEDICINE	3	TERM XII
EG2021	GUIDED RESEARCH	3	TERM XII
MO2063	OPTIONAL SUBJECT	2	TERM XII
MO5063-1	CLINICAL APPROACH AND CLINICAL LAB	3	TERM XII
MO5063-2	PALIATIVE MEDICINE	1	TERM XII
MO5063-3	CLINICAL MANAGMENT		TERM XII
MO5063-4	METHODS OF DIAG. IN CARDIOLOGY		TERM XII

10**TOTAL CREDITS****185****PROFESSIONAL DOCTORATE DEGREE
RESIDENCY / INTERNSHIPS**

IM5020	MEDICINE INTERNSHIP	10	TERM XII
IC5030	SURGERY INTERNSHIP	10	TERM XII
IG5040	GYNECOLOGY / OBSTERICS INTERNSHIP	10	TERM XII

IP5050	PEDIATRICS INTERNSHIP	10	TERM XII
IAP050	PRIMARY HEALTH CARE INTERNSHIP	10	TERM XII

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TOTAL CREDITS 235

**MASTER`S DEGREE IN HOSPITAL
MANAGEMENT**

CODE CLASS NAME CREDITS

I TERM

MA0214	MAKE DECISIONS IN HEALTH	4
CG0114	GENERAL ACCOUNTING	4
MA0314	HEALTH SERVICES MANAGEMENT	4
MA0414	HEALTH PLANNING	4

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II TERM

MA0524	HEALTH INFORMATION SYSTEMS	4
RH0124	HUMAN RESOURCES MANAGEMENT	4
MA0624	HEALTH MANAGEMENT CONTROL	4
MA0724	MARKETING HEALTH SERVICES	4

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**III
TERM**

MA0834	EDUCATIONAL TECHNOLOGY IN HEALTH	4
MA0234	FINANCIAL ADMINISTRATION	4
MA0934	FORMULATION AND EVALUATION IN BIOSTATISTICS	4
MA0134	BIOSTATISTICS	4

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**IV
TERM**

ED0144	EPIDEMIOLOGY	4
MA1044	ADVANCED HEALTH SYSTEMS	4
MA1144	HEALTH LEGISLATION	4
SG0144	GRADUATION SEMINAR	4
PG0197	GRADUATION PROJECT	0

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SCHOOL OF PHARMACY ACADEMIC PROGRAM

CODE	CLASS NAME	CREDITS	REQUIREMENT
PREPARATORY COURSES			
EG0010	SPANISH	-	NONE
EG0020	STUDY METHODS AND TECHNIQUES	-	NONE
EG0030	LOGIC AND PHILOSOPHY	-	NONE

I TERM

EG0113	ORAL AND WRITTEN EXPRESSION	3	PREPARATORY
FA0113	INTRODUCTION TO PHARMACY	3	PREPARATORY
IN0113	INTRODUCTION TO COMPUTER	3	PREPARATORY
MA0113	MATHEMATICS I	3	PREPARATORY
QU0113	GENERAL CHEMISTRY I	3	PREPARATORY
LQ0113	GENERAL CHEMISTRY I (LAB)	-	PREPARATORY
SS0113	HEALTH AND SOCIETY	3	PREPARATORY

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II TERM

BG0123	GENERAL BIOLOGY	3	NONE
LB0123	GENERAL BIOLOGY (LAB)	-	NONE
EG0123	RESEARCH METHODS	3	NONE
EG0133	CULTURAL DEVELOPMENT AND HISTORY OF CENTRAL AMERICA	3	NONE
FG0123	GENERAL PHYSICS I	3	MA0113
MA0123	MATHEMATICS II	3	MA0113
QU0123	GENERAL CHEMISTRY II	3	QU0113-LQ0113
LQ0123	GENERAL CHEMISTRY II (LAB)	-	QU0113-LQ0113

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III TERM

BE0134	BIOSTATISTICS	4	MA0123
FA0223	PHARMACEUTICAL ADM I	3	FA0113
FG0133	GENERAL PHYSICS II	3	FG0123
MO0134	GENERAL ANATOMY	4	BG0123-LB0123
QO0134	ORGANIC CHEMISTRY I	4	QU0123-LQ0123
LO0134	ORGANIC CHEMISTRY I (LAB)	-	QU0123-LQ0123

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IV TERM

ED0143	EPIDEMIOLOGY AND DEMOGRAPHY	3	BE0134
FA0343	PHARMACEUTICAL CHEMISTRY THEORY	3	QU0123-LQ0123
LF0343	PHARMACEUTICAL CHEMISTRY (LAB)	-	QU0123-LQ0123
FS0144	PHYSIOLOGY	4	MO0134-FG0133
LF0144	PHYSIOLOGY (LAB)	-	MO0134-FG0133
FA0263	PHARMACEUTICAL ADM II	3	FA0223
QO0144	ORGANIC CHEMISTRY II	4	QO0134-LO0134
LO0144	ORGANIC CHEMISTRY II (LAB)	-	QO0134-LO0134

17**V TERM**

BQ0154	BIOCHEMISTRY	4	QO0144-LO0144
LB0154	BIOCHEMISTRY (LAB)	-	QO0144-LO0144
FA0453	PHARMACOGNOSIA I	3	QO0144-LO0144-BQ0154
LF0453	PHARMACOGNOSIA I (LAB)	-	QO0144-LO0144
FA0553	PHYSICS IN PHARMACY I	3	FG0133-MA0123
LF0553	PHYSICS IN PHARMACY I (LAB)	-	FG0133-MA0123
FA0653	PHARMACOLOGY I	3	FS0144-BQ0154
LF0653	PHARMACOLOGY I (LAB)	-	FS0144
FP0154	PATHOPHYSIOLOGY I	4	FS0144-BQ0154

17**VI TERM**

MQ0143	MICROBIOLOGY	3	FS0144
LM0143	MICROBIOLOGY (LAB)	-	FS0144
FA0463	PHARMACOGNOSIA II	3	FA0453
LF0463	PHARMACOGNOSIA II (LAB)	-	FA0453
FA0563	PHYSICS IN PHARMACY II	3	FA0553
LF0563	PHYSICS IN PHARMACY II (LAB)	-	FA0553
FA0663	PHARMACOLOGY II	3	FA0653
LF0663	PHARMACOLOGY II (LAB)	-	FA0653
FP0164	PHYSIOPATHOLOGY II	4	FP0154
LM0162	ENGLISH I	2	NONE

18**VII TERM**

FA1074	DRUG ANALYSIS I	4	QU0123-LQ0123
LF1074	DRUG ANALYSIS I (LAB)	-	QU0123-LQ0123
FA0873	COMMUNITY PHARMACY	3	FA0663

FA0673	PHARMACOLOGY III	3	FA0663
LF0673	PHARMACOLOGY III (LAB)	-	FA0663
LM0172	ENGLISH II	2	LM0162
FA0774	MEDICINAL CHEMISTRY I	4	BQ0154
LF0774	MEDICINAL CHEMISTRY I (LAB)	-	BQ0154
FA0973	THERAPEUTIC	2	FP0164

18

VIII TERM

FA1084	DRUG ANALYSIS II	4	FA1074 -NPMA
LQ1084	DRUG ANALYSIS II (LAB)	-	FA1074-NPMA
FA1283	PHARMACEUTICAL ETHICS & LEGISLATION	3	FA0673-NPMA
FA1184	FUNDAMENTALS OF MEDICAL VISITS	4	FA0673-FA0263 - NPMA
LM0182	THECHNICAL ENGLISH	2	LM0172-NPMA
FA0784	MEDICINAL CHEMISTRY II	4	FA0774-NPMA
LQ0784	MEDICINAL CHEMISTRY II (LAB)	-	FA0774-NPMA

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IX TERM

FA1614	BIOPHARMACEUTICS	4	TERM VIII
LF1614	BIOPHARMACEUTICS (LAB)	-	TERM VIII
FA1714	QUALITY CONTROL I	4	TERM VIII
LF1714	QUALITY CONTROL I (LAB)	-	TERM VIII
FA1514	INDUSTRIAL PHARMACY	4	TERM VIII
LF1514	INDUSTRIAL PHARMACY (LAB)	-	TERM VIII
FA1413	HOMEOPATHY I	3	TERM VIII
FA1313	TOXICOLOGY I	3	TERM VIII

18

X TERM

FA1924	QUALITY CONTROL II	4	FA1313
LF1924	QUALITY CONTROL II (LAB)	-	FA1313
FA1824	HOSPITAL PHARMACY	4	FA1614
FA1423	HOMEOPATHY II	3	FA1413
FA1323	TOXICOLOGY II	3	FA1714
FA2023	GUIDED RESEARCH	3	TERM VIII

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TOTAL CREDITS

176

**SCHOOL OF NURSING ACADEMIC
PROGRAM**

CODE	CLASS NAME	CREDITS	REQUIREMENT
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I TERM

CS0113	HEALTH AND SOCIETY	3	NONE
NU1013	NUTRICION AND SOCIETY	3	NONE
EG0132	HISTORY AND DEVELOPMENT OF CENTRAL AMERICA NURSING	2	NONE
EX0112	ORAL AND WRITTEN EXPRESSION	2	NONE
PS1013	GENERAL PSYCHOLOGY	3	NONE

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II TERM

MA1013	MATHEMATICS AND BIOSTATISTICS	3	NONE
BI1014	BIOLOGY AND BIOCHEMISTRY	4	NONE
AN1013	GENERAL ANATOMY	3	NONE
EG2113	RESEARCH METHODS I	3	NONE
IC1012	INTRODUCTION TO COMPUTER	2	NONE

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III TERM

CS2012	EPIDEMIOLOGY AND DEMOGRAPHY	2	MA1013
FI2013	PHYSIOLOGY FOR NURSING	3	AN1013
CS2013	EPISTEMOLOGY OF HEALTH SCIENCE	3	EG2113
EG3013	RESEARCH METHODS II	3	EG2113
AD1012	ADMINISTRATION I	2	NONE

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IV TERM

EE2014	NURSING BASICS	4	FI2013
BI2014	NURSING - MICROBIOLOGY AND PARASITOLOGY	4	FI2012
ED2012	FUNDAMENTALS OF NURSING EDUCATION	2	NONE
FA2014	GENERAL PHARMACOLOGY	2	BI1014
LM2012	ENGLISH I	2	NONE

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V TERM

EE2027	NURSING - COMMUNITY AND FAMILY	7	EE2014
EE2037	NURSING - PSYCHIATRIC AND MENTAL HEALTH	7	EE2014
AD2022	ADMINISTRATION II	2	AD1012

LM2022	ENGLISH II	2	LM2012
		18	

VI TERM

EE3017	NURSING - WOMEN HEALTH AND PERINATOLOGY	7	EE2027
EE3024	NURSING - GERIATRIC	4	EE2037
EE3037	NURSING - MEDICAL SURGICAL I	7	EE2014-EE2027-EE2037
		18	

VII TERM

EE3058	NURSING - MEDICAL SURGICAL II	8	EE3037
EE3048	NURSING - CHILDREN AND TEENAGERS	8	EE3017
CS3012	NURSING - ETHICS	2	EE2014
		18	

VIII TERM

AD4018	ADMINISTRATION OF NURSING SERVICES	8	AD2022
EE4022	LEGAL ASPECTS OF NURSING	2	EE2014
EE4018	NURSING EMERGENCIES	8	EE3037
		18	

LICENCIATURA DEGREE

IX TERM

EE5012	WORK NURSING & REHABILITATION	2	TERM VIII
EE5028	CRITICAL NURSING	8	TERM VIII
AD5012	HUMAN RESOURCES MANAGEMENT	2	TERM VIII
AD5022	MANAGEMENT RESEARCH	2	TERM VIII
		14	

X TERM

EE5038	PEDIATRIC NURSING	8	NONE
AD5032	EVALUATION & PREPARATION OF HEALTH PROJECTS	2	AD5022
AD5031	INFORMATION SYSTEMS & TECHNOLOGY IN HEALTH	1	AD5012
AD5052	MANAGEMENT & QUALITY OF HEALTH SERVICES	2	AD5022
		13	

XI TERM INTERNSHIP OPTIONS:

SE5006	EMERGENCY SERVICES	6	TERM X
SA5006	GENERAL MEDICINE	6	TERM X

SC5006	SURGICAL SERVICES	6	TERM X
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TOTAL CREDITS 160

MASTER OF NURSING IN INTENSIVE CARE

CODE	CLASS NAME	CREDITS	REQUIREMENT
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I TERM

MC0116	PATHOPHYSIOLOGY	6	LICENCIATURE AND BACH DEGREE
MC0114	ADVANCED BIOSTATISTICS	4	LICENCIATURE AND BACH DEGREE
MC0216	CRITICAL CARE PHARMACOLOGY	6	LICENCIATURE AND BACH DEGREE
		16	

II TERM

MC0326	THERAPEUTIC CLINIC I	6	TERM I
MC0426	VITAL SUPPORT	6	TERM I
MC0124	ADMINISTRATION MANAGER	4	TERM I
		16	

III TERM

MC0336	THERAPEUTIC CLINIC II	6	TERM II
MC0536	MONITORING PROCEDURE AND CRITICAL CARE	6	TERM II
MC0636	RESPIRATORY THERAPY & MECHANICAL VENTILATION	6	TERM II
		18	

IV TERM

ID0001	GUIDED RESEARCH OPTIONS:	10	TERM III
MC9410	GENERAL INTENSIVE CARE NURSING		TERM III
MC7410	PEDIATRIC INTENSIVE NURSING CARE		TERM III
	CLINICAL FIELDS		
		10	

TOTAL CREDITS 60

SCHOOL OF PSYCHOLOGY ACADEMIC PROGRAM

CODE	CLASS NAME	CREDITS	REQUIREMENT
PREPARATORY COURSES			
EG0010	SPANISH	0	NONE
EG0020	STUDY METHODS AND TECHNIQUES	0	NONE
EG0030	LOGIC AND PHILOSOPHY	0	NONE

I TERM

EG0112	ORAL AND WRITTEN EXPRESSION	2	PREPARATORY
EG0213	HISTORY AND CULTURAL DEVELOPMENT OF CENTRAL AMERICA	3	PREPARATORY
LM0112	ENGLISH I	2	PREPARATORY
PS0113	GENERAL PSYCHOLOGY I	3	PREPARATORY
SA0113	HEALTH AND SOCIETY	3	PREPARATORY
PS0214	DEVELOPMENTAL PSYCHOLOGY I	3	PREPARATORY
PS0312	PSYCHOPHYSIOLOGY	2	PREPARATORY
		18	

II TERM

PS0124	GENERAL PSYCHOLOGY II	3	PS0113
PS0224	DEVELOPMENTAL PSYCHOLOGY II	4	PS0113-PS0214
PS0413	PERSONALITY PSYCHOLOGY	3	PS0113-PS0214
PS0514	PSYCHONEUROLOGY I	4	PS0113-PS0312-PS0214
PS0612	SOCIAL PSYCHOLOGY	2	PS0113
LM0122	ENGLISH II	2	LM0112
		18	

III TERM

PS0233	GENERAL PSYCHOLOGY III	3	PS0124
PS0713	PSYCHOLOGY OF ADOLESCENCE	3	PS0224
PS0813	RESEARCH I	3	PS0124
PS0913	PSYCHOLOGY OF LEARNING	3	PS0124-PS0224
PS0524	PSYCHONEUROLOGY II	4	PS0514
PS1012	INTERPERSONAL COMMUNICATION	2	PS0124
		18	

IV TERM

PS1113	PSYCHOLOGY OF MOTIVATION	4	PS0233-PS0813
PS1213	GROUP THEORY	3	PS0233-PS0413
PS0823	RESEARCH II	3	PS0813
PS1313	PSYCHOLOGY OF THE ADULT AND SENIOR	4	PS0233-PS0524

PS1414	BEHAVIOR MODIFICATION	4	PS0233-PS0913
		18	

V TERM

PS1514	PSYCHOPATHOLOGY I	4	PS1313-PS0233- PS0224-PS0713- PS0524
PS0833	RESEARCH III	3	PS0823
PS1424	BEHAVIOR MODIFICATION II	4	PS1414
PS1613	PSYCHODIAGNOSIS I	3	PS0524-PS0813- PS1313
PS1713	EDUCATIONAL PSYCHOLOGY I	3	PS0233-PS0913- PS0524
		17	

VI TERM

PS1524	PSYCHOPATHOLOGY II	4	PS1514
PS1624	PSYCHODIAGNOSIS II	4	PS1613
PS1723	EDUCATIONAL PSYCHOLOGY II	3	PS1713
PS1813	PSYCHOTHERAPY SYSTEMS I	3	PS0224-PS0713- PS1012-PS1313
PS1913	COMMUNITY PSYCHOLOGY	3	PS0413-PS0233- PS1012-PS1213
		17	

VII TERM

PS1534	PSYCHOPATHOLOGY III	4	PS1524
PS1634	PSYCODIAGNOSIS III	4	PS1624
PS1823	PSYCHOTHERAPY SYSTEMS II	3	PS1813
PS2014	ORGANIZATIONAL PSYCHOLOGY I	4	PS0233-PS1213
PS2112	PSYCHOLOGY ETHICS SEMINAR	2	TERM VI
		17	

VIII TERM

PS1834	PSYCHOTHERAPY SYSTEMS II	4	PS1823
PS2024	ORGANIZATIONAL PSYCHOLOGY II	4	PS2014
PS2219	PSYCHODIAGNOSTIC EVALUATION PRACTICE	9	TERM VII
		17	

LICENCIATURA DEGREE

IX TERM

PS1914	CONTEMPORARY SUBJECTS ON FORENSIC PSYCHOLOGY	4	TERM VIII
PS5914	NEUROPSYCHOLOGICAL THEORY	4	TERM VIII
PS3914	PSYCHOLOGY PRACTICE IN HOSPITALS ENVIROMENTS	4	TERM VIII
PS2914	ADVANCE SEMINAR ON PSYCHOLOGICAL RESEARCH	4	TERM VIII
PS2920	GRADUATION SEMINAR I	0	TERM VIII

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X TERM

PS8014	HEALTH PSYCHOLOGY	4	TERM IX
PS2034	ADVANCE SEMINAR ON ORGANIZATIONAL PSYCHOLOGY	4	TERM IX
PS6014	APPLIED SOCIAL PSYCOLOGY	4	TERM IX
PS7014	PSYCHOEDUCATIONAL PRACTICE	4	TERM IX
PS2040	GRADUATION SEMINAR II	0	TERM IX

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TOTAL CREDITS

172

MASTER IN CLINICAL PSYCHOLOGY

CODE	CLASS NAME	CREDITS	REQUIREMENT
I TERM			
MP0113	BEHAVIORAL MEDICINE	3	LICENCIATURE AND BACHELOR DEGREE
MP0212	PSYCHOPATHOLOGY OF THE ADULT	2	LICENCIATURE AND BACHELOR DEGREE
MP0313	PSYCHOTHERAPY ADVANCED SEMINAR	3	LICENCIATURE AND BACHELOR DEGREE
MP0412	PSYCHODIAGNOSTIC ADVANCED SEMINAR	2	LICENCIATURE AND BACHELOR DEGREE
MP0513	PSYCHOPATHOLOGY OF THE CHILD AND ADOLESCENT	3	LICENCIATURE AND BACHELOR DEGREE
MP0612	RORSCHACH SEMINAR	2	LICENCIATURE AND BACHELOR DEGREE

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II TERM

MP0713	THERAPY OF THE CHILD AND THE ADOLESCENT	3	MP0513
MP0812	PSYCHOTHERAPY OF FAMILY AND COUPLE	2	MP0212

MP0912	CASE PRESENTATION AND DYNAMIC FORMULATION I	2	MP0212-MP0313-MP0712
MP1016	CLINICAL AND HOSPITAL PRACTICE I	9	TERM I
MP1112	CLINICAL AND EPIDEMIOLOGICAL RESEARCH METHODS	2	NONE
MP1212	CRISIS INTERVENTION	2	MP0212-MP0513

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III TERM

MP1026	CLINICAL AND HOSPITAL PRACTICE II	10	TERM II
MP1313	GROUP PSYCHOTHERAPY	3	MP0812-MP0313-MP1016
MP1413	PSYCHO-NEUROLOGICAL TESTS	3	MP0412
MP0922	CASE PRESENTATION AND DYNAMIC FORMULATION II	2	MP0912-MP0313
MP1512	PSYCHOPHARMACY FOR PSYCHOLOGISTS	2	MP0212

20

IV TERM

MP1036	CLINICAL AND HOSPITAL PRACTICE III	10	TERM III
MP1612	CONTEMPORARY THEMES IN CLINICAL PSYCHOLOGY	2	TERM III
MP0932	CASE PRESENTATION AND DYNAMIC FORMULATION III	2	TERM III
MP1712	COMMUNITY CLINIC PROJECT	2	TERM III
MP1812	SEMINAR ON PSYCHOLOGY AND SOCIETY	2	TERM III

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TOTAL CREDITS

108

MASTER DEGREE IN FORENSIC PSYCHOLOGY

CODE	CLASS NAME	CREDITS	REQUIREMENT
I TERM			
MF0113	PSYCHOPATHOLOGY OF THE CHILD AND THE ADOLESCENT	3	LICENCIATURE AND BACH DEGREE
MF0212	PSYCHOPATHOLOGY OF THE ADULT	2	LICENCIATURE AND BACH DEGREE
MF0312	ADVANCED SEMINAR OF PSYCHODIAGNOSIS	2	LICENCIATURE AND BACH DEGREE
MF1113	PSYCHOLOGY AND LAW	3	LICENCIATURE AND BACH DEGREE

MF0413	PSYCHOLOGY OF CRIMINAL CONDUCT	3	LICENCIATURE AND BACH DEGREE
MF2112	CRIMINOLOGICAL THEORY AND FORENSIC PSYCHOLOGY	2	LICENCIATURE AND BACH DEGREE

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II TERM

MF0523	PSYCONEUROLOGICAL TESTS	3	MF0312
MF0622	RORSCHACH SEMINAR	2	TERM I
MF2223	FORENSIC PSYCHOLOGY AND EXPERTISE IN CRIMINAL AREA	3	TERM I
MF2323	EVALUATION AND TREATMENT OF SEX OFFENDERS VICTIMS	3	TERM I
MF2422	FORENSIC EVALUATION OF THE PSYCHOLOGICAL TRAUMA	2	TERM I
MF1125	INSTITUTIONAL PRACTICE I: PRISION SYSTEM	5	TERM I

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III TERM

MF2533	FAMILY PSYCHOLOGY I: DIVISION, PATERNITY CUSTODY	3	TERM II
MF2632	RESEARCH METHODS IN EPIDEMIOLOGICAL CLINICAL PSYCHOLOGY	2	TERM II
MF2733	EVALUATION AND TREATMENT OF JUVENILE OFFENDERS	3	TERM II
MF2832	SUBSTANCE ABUSE AND CRIMINAL CONDUCT	2	TERM II
MF1235	INSTITUTIONAL PRACTICE II: PUBLIC SECURITY	5	MF1125

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IV TERM

MF0742	CRISIS INTERVENTION	2	
MF2943	FAMILY PSYCHOLOGY II: DOMESTIC VIOLENCE	3	MF2533
MF2042	POLICE PSYCHOLOGY SEMINAR	2	MF2733
MF2142	PENITENTIARY PSYCHOLOGY SEMINAR	2	MF2832
MF1345	INSTITUTION PRACTICE III: JUDICIARY	5	MF1235

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TOTAL CREDITS

62

MEDICINE PROGRAM

Curriculum

UNIBE's School of Medicine strives for academic excellence. It offers students a complete program integrating theory and practice, designed to provide the required intellectual and technical expertise and the necessary skills for a practicing physician.

Committed to High Academic Standard

As a response to its dedication to excellence academic programs, the School of Medicine attracts students with high performance, serious scholastic approach to learning and considerable potential to benefit from and contribute to the stimulating academic environment.

Conceived as a series of integrated health-care experiences, the curriculum aims at facilitating the student's capacity for self-directed and self-motivated learning, a necessary block in a lifelong expansion of knowledge.

Program	Terms	Cumulative Terms	Total Calendar Year	Equivalency with US semester
Basic Science Undergraduate	Propaedeutic I-II-III-IV	4 (4 months each)	1.4	4 semesters (2 **years)
Medicine Science Graduate	V to XIII	9 (4 months each)	3.0	9 semesters (4.5** years)
Totals		13 Terms	4.4 years	13 semesters (6.5 **years)
Internship	I to V	5 (2 months each)	1 years	2 semesters (1 **year)

**Academic year

The first five terms of the pre-med (18 months) are focused in developing knowledge of the basic sciences. During this stage, professors directly supervise the student. Modern teaching laboratories provide the fundamental tools in order to acquire in-depth knowledge of the basic areas of medicine.

The anatomy laboratories are supplied with human cadavers and radiology materials, allowing the student to conduct detailed studies of human body. The Histology, Pathology and Parasitology labs have a wide collection of specimens available for micro and macroscopic study. Pharmacology and Physiology courses are lecture-based and reinforced by laboratory and experimental studies. Additionally, air-conditioned classrooms and audio-visual equipment enhance the academic setting.

Class size varies according to the subject

In term six through eight, students engage in clinical-science studies. Also during this time, students participate in assistance tasks in multiple areas, under the close supervision of doctors and nurses.

Professional Profile

The physician's fundamental actions are directed to preserving human life and the prevention of suffering.

He/she accepts the individual as a bio-psychosocial unit and to achieve his/her health purposes uses the scientific knowledge and develops to the utmost his/her qualities and aptitudes in a combination of art and science.

The social side of the profession demands from the physician frequent contact with different people and human groups. This implies a solid education and a complete knowledge of human behavior and group dynamics.

Moreover, the physician has to be able to explore his/her traditional image of leadership through the command of appropriated techniques always promoting health, and the cure and rehabilitation of the individual, the family, and the community.

MEDICAL SCHOOL

CANDIDATE

A Medical School candidate is one who:

Has just successfully completed studies equivalent to our Pre-Medical program in an accredited institution, or holds a degree equivalent to a Bachelor's Degree in Science from an accredited institution. This degree must include the following courses: **a.** Health and Society, **b.** History and Philosophy of Medicine; **c.** Oral and Written Expression; **d.** Introduction to Computer Systems; **e.** General Chemistry; **f.** Mathematics and Biostatistics; **g.** Biology and Genetics; **h.** General Physics; **i.** Research Methods; **j.** Organic Chemistry; **k.** Epidemiology and Demography; **l.** Anatomy; **m.** Neuroanatomical; **n.** Physiology; **o.** Biochemistry; **p.** Histology; **q.** Embryology.

A candidate having all the pre-requisites to be admitted to our Medical School must complete the necessary courses required in our Pre-Medical level at UNIBE before entering the Medical School. These can be covered in the first four terms at UNIBE, or fewer, depending on the student's academic preparation.

Program Objectives

UNIBE conducts a complete educational Medical Program that seeks to develop highly skilled professionals in the field of medicine.

The program aims to educate physicians who will be able to:

- Treat and prevent diseases, with and extensive knowledge of modern medicine;
- Master basic analytical tools, concepts principles, and skills required by medical practitioners;
- Apply scientific methods and principles to the care and treatment of human diseases;
- Respond in an ethical and competent manner to the needs of the community;
- Be not only clinically competent, but also sensitive, compassionate, socially responsible, and humane;
- Perceive the medical career as a life-long learning experience.

A Physician's Aptitudes

It is helpful and necessary for the student of a medical- program to recognize the obligations of his/her vocation, in order to obtain better results and more satisfaction during the student's professional life.

The Physician`s Main Aptitudes are:

- Critical thinking;
- Ability to analyze health-related situations;
- Ability to observe;
- High sense of responsibility;
- Sensitivity towards other people's suffering;
- Ability to learn and synthesize information quickly;
- Emotional control in emergencies and disasters;
- Ethical awareness;
- Scientific curiosity;
- Good social skills and interpersonal relations;
- Strong work ethic;
- Perseverance;
- Love and respect towards mankind

Propaedeutic Course

The purpose of this course is to provide the new student with guidance regarding basic study strategies, adequate use of the Spanish language and logical thinking.

The course lasts one month, consists of the following four (4) classes, and is given during the first term, concurrently with other classes.

EG0020 METHODS AND TECHNIQUES OF STUDY

This course teaches the student to improve study techniques and time-organization skills, this facilitating his/her learning process and maximizing presentation abilities.

EG0030 LOGIC AND PHILOSOPHY

This course presents introductory issues of philosophy, logic and questions basic human thought processes. It aims to encourage the development of thinking strategies by addressing concrete problems through the application of logic principles and reasoning.

EG0040 FIRST AID AND LIFE SUPPORT

This course introduces the student to daily medical emergencies. She/he is taught to act effectively and responsibly, through the use of simple measures.

FIRST TERM

EG1022 WRITTEN AND ORAL EXPRESSION

This course instructs the future physician how to construct clear, accurate, and proper thoughts and messages in Spanish. Improve the capacity of oral and written communication to students who wish to speak and write with clarity, simplicity, accuracy, both in private life, in business and in public.

N1012 INTRODUCTION TO COMPUTER SCIENCE

This course provides the student with practical and theoretical knowledge of computer systems, including hardware, software, multi-media, and internet concepts.

HP1013 HISTORY AND PHILOSOPHY OF MEDICINE

This course analyzes studies of history, identifies the main exponents of medical science. Contain the historic evolution of the concept of illness, the structure of the human body and different therapeutic measures. The student also will be given with initial contract with medical terms and concepts within a historical context.

QO1013 GENERAL CHEMISTRY

This course reinforces fundamental concepts of chemistry, which serves as the foundation for both organic chemistry and biochemistry; these are important in understanding the chemical basis of the human metabolic processes.

LQ1013 GENERAL CHEMISTRY LABORATORY

An introduction to concepts and techniques used in the chemistry laboratory, the practical application of processes of the human metabolic is essential to apply.

CS1013 HEALTH AND SOCIETY

This course assimilates concepts of public-health and social-medical in the definition of health policies. Also, their relation to other social sciences within the context of national development. will be examined.

LM1012 ENGLISH I

This ESL course has been designed for students who have had some formal high school

English instruction but whose ability to communicate in English is limited. Emphasis is on correct usage of basic English grammatical structures, developing reading and writing skills and familiarity with medical terminology and topics.

The student will participate in activities that lead him/her to improve his/her vocabulary and grammar structures applicable to medical field. There is special emphasis on developing the ability to understand and take part in medical activities.

SECOND TERM

ES1013 MATHEMATICS AND BIostatISTICS

The primary objective of the health sciences is to prevent and cure diseases, so they need the application and the development of efficient methods for the collection, presentation, analysis and interpretation of numerical data; it let them form a discriminatory approach to user reviews for arbitrary and devoid of scientific value. Prerequisites: IN1012

GE1013 BIOLOGY AND GENETICS

This course teaches the essential vital processes and functions of the human body. The area of genetics is given special emphasis as an element basic to further understanding diseases.

LG1013 BIOLOGY AND GENETICS LABORATORY

Experimental approaches for studying cell at the biochemical and molecular levels and genetics focus to understanding illness.

FI1013 GENERAL PHYSICS

This course reinforces knowledge of physics essential to the physician. It emphasizes the principle general laws of solids, liquids and behavior of gases and radiations.

EG2013 RESEARCH METHODS

Taken very early in the sequence this course provides the student with the tools in experimental design that will allow him/her to conduct research. The course emphasizes design but it also reviews the presentation formats and information sources of medical articles.

QO1023 ORGANIC CHEMISTRY

Relate the foundations of chemistry of coal in aspects as structure, biological function IUPAC nomenclature, classification by families according to functional groups and the physical and most relevant chemical properties, with the system of knowledge of the basic sciences in medicine. Prerequisite: QO1013

LO1023 ORGANIC CHEMISTRY LABORATORY

This is a complement of the Theory and study of the preparation and characterization of functional groups, complementing the Theory. Prerequisites: QO1013-LQ1013

LM1022 ENGLISH II

This course develops the command of English through interpretative readings and the active and reasoned use of the language. Emphasis is given to question and answer formats and to grammar structures. Prerequisite: LM1012

THIRD TERM

ED1023 EPIDEMIOLOGY AND DEMOGRAPHY

This course examines the epidemiological basis of health-disease phenomenon. The course provides a broader view of health phenomenon and gives the student the tools of epidemiological design that allow him/her to do population studies of diseases or health situations in general. Prerequisite: ES1013

MO1016 GENERAL ANATOMY

This course is based on a program designed by experts in the field of morphological sciences. One of the main objectives is for the student to understand the normal structure of the human body in relation to its clinical importance. Also included are theoretical lessons and the preparation of human-body dissection using a visual method. Prerequisites: GE1013-LG1013.

MO2016 NEUROANATOMY

The neuroanatomy program provides guidance reasonably complete on the central nervous system, and is adapted to the current needs of medical students. It is ruled out non-essential, avoiding reiterations and outlining the concepts and the main facts with sufficient clarity to demonstrate its importance and to enable the assimilation of the subject. Prerequisites: GE1013-LG1013.

LM2011 ENGLISH III

Continuing the materials covered in English I and II, this course teaches common grammar expressions. Emphasis will be given to the improvement of conversational skills. Idiomatic expressions that allow the student to express useful information in conversational English will be studied. Prerequisite: LM1022

FOURTH TERM

FS2014 PHYSIOLOGY

The course is a theoretical approach that offers the student a general and up-to-date overview of the physiology. In this course, the student acquires the fundamentals that explain the normal functioning of the human body, which then allows to understand and to analyze the different situations pathological. Knowledge and understanding critical of different physiological topics are basic aspects of the profile of every professional in the area of medical sciences; this course aims to contribute to the training of these professionals. Prerequisites: FI1013-MO1016-MO2016.

LF2014 PHYSIOLOGY LABORATORY

This course will provide experience for applied exercise physiology principles as students are introduced to laboratory and field tests. Prerequisites: FI1013-MO1016-MO2016.

BQ2014 BIOCHEMISTRY

This course gives the student a solid basis to understand the functioning of the human organism from a molecular point of view. Prerequisites: ED1023-QO1023-LO1023

LB2014 BIOCHEMISTRY LABORATORY

Laboratory support the basis knowledge from the theory subject. Prerequisites: ED1023-

QO1023-LO1023

MO1023 EMBRYOLOGY

It establishes a correlation among the different germinal layers, and the formation of corporeal systems, thus allowing this information to be applied in clinical applications. This information is essential to understanding mechanisms that result in congenital malformations. Prerequisites: MO1016, MO2016.

LE1023 EMBRYOLOGY LABORATORY

Establishes and integrates all embryonic processes in the part clinic. Laboratory includes investigations of developing systems. Prerequisites: MO1016, MO2016

MO2013 HISTOLOGY

Train the medical student in a basic subject able to morphological bases on it which occur changes in injuries and illnesses will have to address in subjects in the clinical area. Prerequisites: MO1016, MO2016.

LH2013 HISTOLOGY LABORATORY

Serve as morph-functional training of the medical basis for understanding the pathophysiological mechanisms that give a logical and scientific vision in the understanding of those diseases with morphological sequels. Prerequisites: MO1016, MO2016

LM2021 ENGLISH IV

This course will further develop the student's English conversational skills. This course precedes Technical English; its exercises are directed towards dialogue in English, in common doctor-patient situations. Prerequisite: Fourth Term completed

FIFTH TERM

FP2016 PATHOPHYSIOLOGY

This course will teach the mechanisms of different diseases, in an illustrative and practical manner. Besides, practice will be integrated with theoretical knowledge. Prerequisite: Fourth Term completed.

MQ2014 MEDICAL MICROBIOLOGY

It focuses on the importance of microorganisms in human pathology, their biology and aggression mechanisms. Also, the defense mechanisms of the human body and the results of the host-parasite interaction will be examined. Prerequisite: Fourth Term completed

LM2014 MEDICAL MICROBIOLOGY LABORATORY

It gives the medical student an overview in some aspects in microbiology as an important part in its formation, in order to serve as a tool of their internship hospital. Prerequisite: Fourth Term completed

PA2016 PATHOLOGY I

It teaches general mechanisms of disease, based on structural changes, at macroscopic and microscopic levels. The course includes theoretical lessons, the examination of body parts from

surgeries and autopsies, the microscopic observation of tissues and cells, as well as selected seminars. Prerequisite: Fourth Term completed

LM2031 TECHNICAL ENGLISH

This course teaches technical scientific / medical English, which is essential in the understanding of medical journals and papers. It focuses more on written than spoken English. As most scientific advances are published and transmitted in English, command of written technical English is essential. Prerequisite: Fifth Term completed.

SIXTH TERM

PT2012 PARASITOLOGY

This course examines the most important aspects of parasites which commonly affect the human body. The structure, life cycles and physiopathology of different parasites are highlighted in this lesson. Prerequisite: Fifth Term completed.

LP2012 PARASITOLOGY LABORATORY

Laboratory study of some parasites with emphasis on the theory, structure, life cycles and physiopathology. Prerequisite: Fifth Term completed.

PA2026 PATHOLOGY II

This course studies the structural and functional changes of disease. Included are technical lessons, group discussion, and examinations in clinical-anatomy cases, observation of microscopic tissues and cells, and seminars. Prerequisite: Fifth Term completed.

PC4012 CLINICAL PROPEDEUTICS

The propaedeutic clinic assists the student's acquisition and development of clinical skills which allow him/her to maximize abilities to conduct a physical examination. Prerequisite: Fifth Term completed.

FA3014 PHARMACOLOGY I

This course introduces the student to the pharmacological basis of the clinical practice. Presents drugs classifications including appropriate evidence-based patient teaching, counseling, and safety and quality controls. Prerequisite: Sixth Term completed.

SEVENTH TERM

ME4018 MEDICINE I

The course provides an in-depth examination of the epidemiological aspects, diagnosis methods, differential diagnosis and treatment of the principal existing diseases. Its objective is for the student to acquire a wide range of theoretical knowledge, and to apply it simultaneously to concrete clinical cases. Prerequisite: Sixth Term completed.

PE2016 PEDIATRICS I

This course focuses on children's most frequent health problems, thus allowing the student to acquire the theoretical knowledge necessary for the pediatrics. Prerequisite: Fifth Term completed.

FA3013 PHARMACOLOGY II

In this course, the student applies his/her basic knowledge to the study of clinical applications of different drug families. The study will focus on the analysis of treatment schedule. Prerequisite: Ninth Term Completed.

EIGHTH TERM

RA3014 RADIOLOGY

Images are an excellent aid to the diagnosis; the orientation is the most appropriate, which it's essential interpretation and the knowledge of indications, contraindications, advantages and disadvantages of radiological procedures. Prerequisites: Seventh Term completed.

ME4028 MEDICINE II

This course instructs the student how to solve clinical problems by applying previous knowledge. He/she is taught to achieve this through an effective interpretation of laboratory exams and the formulation of strategy treatment. Prerequisites: Seventh Term completed.

PE3026 PEDIATRICS II

The student should acquire knowledge and skills to solve the pediatric cases in its general aspects overlooking basics concepts. The course examines topics related to intensive care of the sick child, disorders of the immune system, hematological and infectious illnesses. Prerequisite: Sixth Term completed.

NINTH TERM

GI3014 GYNECOLOGY

This course consists of a theoretical-practical program that studies the anatomy and issues of the female reproductive system, including, but not limited to: menstrual disorders, infections and related oncological pathology. Prerequisites: Eighth Term completed

OB3014 OBSTETRICS

This course studies the woman's physiology during pregnancy, the delivery mechanism (normal and surgical), and possible complications. Prerequisites: Eight Terms completed

CI3016 SURGERY I

This course teaches the student to learn to recognize when the intervention of a surgeon in patient management is necessary. The student will also learn to illustrate theoretical knowledge studying clinical cases during his/her hospital rotations. Prerequisites: Eight Terms completed

LICENCIATE DEGREE

TENTH TERM

SP2013 PUBLIC HEALTH

This course teaches the interrelation of healthiness and sickness with the environment. It also introduces the student to necessary diagnostic skills in rural communities. The course consists of theoretical Instruction and community practice. Prerequisite: Ninth Term Completed.

NC3013 CLINICAL NUTRITION

This course is based on the exhibition of basic biochemical and metabolic concepts for the understanding of the role of nutrition in health and disease states. In the first part of the course, exhibition activities related to charts and tables on the nutritional value of different foods will be performed. The next part of the course focuses on the resolution of cases, which students should resolve and expose to the group.

CI3014 SURGERY II

Expanding on the material covered in Surgery I, this course will teach more complex surgical procedures. In this second surgical course, more-advanced topics will be covered. Prerequisite: Ninth Term Completed.

ELEVENTH TERM

ME4063 EMERGENCY MEDICINE

This course trains the student to deal with medical emergencies, while providing him/her with a broad knowledge of different emergencies: those he/she can solve and those that he/she must refer, and where to refer them. Prerequisite: Twelfth Term Completed.

DE3012 DERMATOLOGY

This course has been designed to teach the student the normal function and structure of the skin and the classification and nomenclature of basic skin injuries. In addition, the course includes specific topics including ectoparasitosis, immunologic skin diseases, allergic cutaneous manifestations and dermatological effects of venereal diseases, pyodermitis and others. Prerequisite: Tenth Term Completed

ME4032 LEGAL MEDICINE

The course instructs the student on legal aspects of medicine, including: injury identification and classification, general aspects of labor medicine, principles of technology, toxicology, sexual offences, feticide, abortion, and other issues. This is due to the realization that the physician's actions always have potentially legal implications. Prerequisite: Tenth Term Completed

PS3013 PSYCHIATRY

Psychiatrics prepares the student to perform a complete exam of a patient's mental condition, thus reaching a concrete diagnosis. Then, the student will be expected to be able to develop strategies for therapeutic intervention and, in the cases that require it, he/she will learn the appropriate drugs available, their indications and side effects. Prerequisite: Tenth Term Completed.

TWELFTH TERM

GR3013 GERIATRICS

This course addresses relevant issues in geriatric management. Due to their physiological features, elderly patients often require special care. Prerequisite: Eleventh Term Completed.

ME4043 WORK MEDICINE AND REHABILITATION

This course examines the risks a worker runs, the illnesses related to different types of occupations and the way to prevent illnesses. Additionally, strategies to prevent injuries and illnesses by modifying risk factors of occupational pathology are addressed. Prerequisite:

Eleventh Term Completed.

ED1033 CLINICAL EPIDEMIOLOGY

This course provides knowledge of clinical epidemiology on a practical basis. It revises, theoretically, the epidemiological view of the health-illness process and provides the tools for the study of causal mechanisms as well as the experimental design most commonly used in clinical epidemiology. Prerequisite: Eleventh Term Completed.

EM3011 MEDICAL ETHICS

This course aims to define the concept of ethics in the particular way it applies to the medical sciences. Medical professionals are exposed to life-and-death situations; therefore, his/her knowledge of morals and ethics has to be solid. Prerequisites: Seventh Term completed.

THIRTEENTH TERM

PB1013 BASIC PROCEDURES IN MEDICINE

This course enables the development of practical skills in the management of certain techniques and basic procedures that the health care professional must know. It ranges from basic procedures in everyday life health care, including taking temperature and blood pressure, as well as the basic operation of pumps infusion, cardioversion and defibrillation, all these techniques oriented to a better job performance of the professionals.

MC4053 COMMUNITY AND FAMILY MEDICINE

This course instructs the student how to diagnose and manage the most important health problems of a community or family, with the most adequate tools. At the same time, specific topics of great impact on families and communities are studied, including mother-child health, sexuality, adolescence, nutrition, drug addiction and gerontology and integral rehabilitation. Prerequisite: Twelfth Term Completed.

EG2021 GUIDED RESEARCH

Responding to a lack of a pedagogic structure that promotes research, UNIBE has created the Center of Health Science Research, CICS, (Centro de Investigaciones en Ciencias de la Salud). The purpose of this center is to provide students with the professional guidance to venture into the research field. Achieving this implies guiding the student towards a didactic and critical thinking that allows him/her to pose questions according to observations, formulation of hypothesis, their refutation or verification; in other words, to apply the scientific methods. Prerequisite: Twelfth Term Completed.

M05063 OPTIONAL SUBJECT

M5063-1 CLINIC APPROACH AND CLINICAL LABORATORY

The first part of this the course introduces the student in the organization, functions and clinical laboratory equipment. Subsequently, during the course, indications, normal ranges and main causes of alteration of laboratory tests are discussed. Knowing these basic concepts, specific cases will be analyzed, so that the student deduce the cause of certain alterations and recognize the reasons of false positive and false negative.

M05063-2 PALLIATIVE MEDICINE

This course is divided into two sections. During the first, the principles of palliative medicine, ethical aspects and communication techniques are reviewed. Later, the problem of the terminal patient is approached from the symptomatic point of view. The second section deals with specific clinical situations on concrete entities in its terminal phase.

M05063-3 CLINICAL MANAGEMENT

This course is based on the masterful exposition of concepts related to entrepreneurship, the business plan and the strategic plan that allow the understanding of the role of the entrepreneur in the context of today's markets. To understand these aspects and their relevance for health professionals, they will be illustrated with specific cases in which student must apply the theoretical knowledge in hypothetical situations. Theoretical foundations on the different topics and through practical exercises will be exposed. The students, organized in groups, must develop a business plan in the area of health to be provided to the teacher and to the rest of the group.

M05063-4 METHODS OF DIAGNOSIS IN CARDIOLOGY

The course consists of lectures which sets out the fundamental concepts to understand the electrocardiogram and echocardiogram, and be able to interpret them. In addition, during the exposure of specific entities electrical lines and echocardiographic images are scanned, so that the student develops skills for the identification of characteristic elements.

PROFESSIONAL DOCTORATE DEGREE

RESIDENCY / INTERNSHIPS

The Residency is a year of intensive hospital work, distributed in five sections: Medicine, Surgery, Gynecology and Obstetrics, and Pediatrics. This is the opportunity for the student to apply the knowledge acquired, with a higher level of autonomy, and within a team.

FIRST SECTION

IM5020 MEDICINE INTERNSHIP

Student will apply their diagnostic strategic in the treatment of patients with medical ailments. They will participate at hospital activities, including room visit, working directly with patients in the emergency room. Nighttime duty is expected, broadening their experience in real-life situations.

SECOND SECTION

IC5030 SURGERY INTERNSHIP

Working with a solid understanding of anatomy and psychology, the student will deal with managing patients with surgical difficulties. She/he will develop manual skills to solve minor surgery situation, and will acquire the ability to assist a trained surgeon. Moreover, during the night shift, the student will experience intensive-care surgical situations.

THIRD SECTION

IG5040 GYNECOLOGICAL / OBSTETRICS INTERNSHIP

During this period, the student will address real issues relating to obstetrics and gynecology. The student will develop the skills to handle a pregnancy process and a normal delivery, to detect the pathology of the female reproductive system. Although the student ultimately might not work in these areas, they are of unquestionable primary relevance in any location the student may work.

FOURTH SECTION

IP5050 PEDIATRICS INTERNSHIP

This section aims to make the student understand the way to deal with health problems in children and situations with their parents. During this block, it is essential for the student to be exposed to pediatric patients as many hours as possible in order to improve his/her management of children and to gain experience in the field of children's treatments.

FIFTH SECTION

IAP050 PRIMARY HEALTH CARE INTERNSHIP

The community health- primary attention section allows the student to participate, hands-on, in immediate activities of patient health. What differentiates this from other sections is the hospital emphasis on second or third level. In the primary attention level, the student has direct contact with patients. Here, the student is required to handle problems in general medicine in his/her basic specialty.

MASTER'S DEGREE IN HOSPITAL MANAGEMENT

FIRST TERM

MA0214 MAKE DECISIONS IN HEALTH

This course has as principal basis through the theory and application of the same in the event to strengthen practical knowledge and skills essential for the qualitative and quantitative analysis in making high-level decisions. It aims to develop the conceptual and theoretical approach, comparable with the analytical skills of professionals regarding modern management and decision making.

CG0114 GENERAL ACCOUNTING

This course seeks to complete the training of health professionals through learning theoretical and practical topics related to accounting industry. Looking through the concepts, the accounting techniques and analysis of financial statements, the student can incorporate them into their diagnostic and evaluation activities of the sector and to analyze the existing problems in the Management of Financial Resources.

MA0314 HEALTH SERVICES MANAGEMENT

The course aims to foster in students a critical view of the type of organization that exists in health services to develop creativity turn in search of improvement options according to current needs and perspectives of these services. Develops creative and innovative capacity to act within an organization of health services and propose various options for strengthening and improving health actions.

MA0414 HEALTH PLANNING

We will study the different components that make planning and its application in elementary health field, with special emphasis on the strategic planning stage and the operational planning. Main objective is for students to acquire a clear and pragmatic notion of strategic and operational planning for allocating public resources through programming activities in organizational management.

SECOND TERM

MA0524 HEALTH INFORMATION SYSTEMS

The general systems theory is a very important tool we give credits timely and reliable responses while is the theoretical basis of the information systems in traditional approaches, which have not feared no effect on the administration and handling of information. The aim is to train students with own information systems in health, and to provide them with the necessary tools for effective management of information systems applied to health services.

RH0124 HUMAN RESOURCES MANAGEMENT

The course covers the student through the practical application of current theory on human resource management is exercised in the use of techniques that guide this discipline, while faces possible reactions during application of the principles and rules are both individually and in groups and associations within the health sector. Its main objective is to strengthen the theoretical practice of participants to promote the conduct of human resources in the health field.

MA0624 HEALTH MANAGEMENT CONTROL

The course examines the company from the structural point of view and operationalizes its environment and redress mechanisms to be applied by means of control, to ensure that the institutional life cycle at different stages can be carried out under efficiency and effectiveness criteria ensuring the survival of the company in the health sector.

MA0724 MARKETING HEALTH SERVICES

The course examines the importance of presenting the marketing area within health services and its relationship with the market in which it operates, in order to design strategies to be developed to achieve the objectives of the health sector. Aims to develop the student's critical skills through a proper analysis of the relevant facts of the services market in the health sector leading to identify specific problems, it also intends to develop their managerial skills to the planning, execution and control marketing plans in the field of health services.

THIRD TERM

MA0834 EDUCATIONAL TECHNOLOGY IN HEALTH

This course integrates theoretical and practical experiences of teaching-learning in the classroom, studying the principles, methods and tools for education and communication processes for health, social learning activities in the process of research and strategy development educational technology for the promotion of the health of the population. The aim is to study and implement in a practical way the concepts, principles, methods, techniques and tools of education and mass communication to promote the development of health services and improving health levels in the population.

MA0234 FINANCIAL ADMINISTRATION

The course is divided into theoretical and practical, for the purpose of analyzing the nature of the financial instruments, available budget and administration. After finishing the course, the student should understand, explain and use financial management tools as an important part in the decision-making process in the management of hospitals and health services

MA0934 FORMULATION AND EVALUATION IN BIOSTATISTICS.

The course aims to deepen the technical project management in order to achieve greater efficiency in the management of resources, and more specifically the objectives, goals, activities, resources and responsibilities of hospitals and services. At the end of the course, the student will understand the importance of project management in the health sector and will be able to apply this technique to formulate concrete projects for administration and be able to make a proper assessment.

MA0134 BIOSTATISTICS

The course has a very participatory approach applied to the real world, so that students can derive its potential and limitations. Students should be aware that the exact sciences depend significantly on the scientific treatment to determine information-based problems and give them appropriate solutions. As an objective is for students to discuss the importance of biostatistics in professional priorities through their study that allows to place it in its rightful place as productive instruments in the care of their labors.

FOURTH TERM

ED0144 EPIDEMIOLOGY

The objective of the course is to study and implement, in a practical way, the concepts, methods, techniques and tools for automation and telecommunications to promote the development of information systems and improve the efficiency levels of the health care facilities, and to analyze the basic concepts of epidemiology and the importance of this in the health field.

MA1044 ADVANCED HEALTH SYSTEMS

The course examines health systems currently developed within the framework of the evolution of social and administrative sciences. The student will be able to know the different health care systems that are currently operating, emphasizing the strengths, weaknesses, opportunities and threats of each.

MA1144 HEALTH LEGISLATION

The course examines national legislation which is closely related to the health and provide students with the legal elements within which that discipline is entangled, looking for a better development of this from the respective formulations to seek change. Its aim is to study the legislation governing the sector concerning health, integrated this into the modern concepts of administrative law and labor law.

SG0144 GRADUATION SEMINAR

This seminar seeks to analyze the basic criteria for the design and development of the final work plan for graduation. The goal is to guide the student in the preparation of the final report

of graduate work, which will consist of a project selected by the student on some topics studied during the development of the career program.

PG0197 GRADUATION PROJECT

The student must be presented to a jury of Grade tests, a project on some of the issues investigated in the course of their MBA program and which has been officially registered at the time of filling the Graduate Seminar, in order to tune with the help of the teacher in charge of the seminar.

A condition for the Graduation Project presentation to the jury, is that the teacher of the GRADUATION SEMINARY course has to approved the work, which must be in accordance with its guidelines.

PHARMACY PROGRAM

PROFESSIONAL PROFILE

As a Bachelor in Pharmacy at UNIBE, you will have acquired:

Knowledge to: The scientific and technical knowledge required to train personnel capable of assuming responsibility and professional competence on the broad spectrum of activities involving research, development, control and dispensing of pharmaceuticals, medicines, health foods, cosmetics and other items, linked both health care and prevention, alleviation and cure of diseases.

The skills to: Owning a set of skills and abilities to help resolve health needs and participate in the production sectors in the areas of competence, achieving apply the acquired knowledge. Performing critical analysis of health status, industry and community, and to suggest better ways to solve the problems that threaten society.

Attitudes to: Joining employment opportunities in pharmacy, with a high degree of competitiveness, agile and firm in his convictions and capable of thinking and research to the progress of science for the benefit of Costa Rican people.

Values for: Act according to ethical principles governing the professional performance of the pharmacy, for the promotion and preservation of health and improved quality of life for citizens.

PROPAEDEUTIC

EG00010 SPANISH

This course will work on improving the student's command of the grammatical structures of Spanish, including accurate punctuation and spelling. It is aimed to refining the latter. This is achieved through the creation of lexically rich texts, with accurate punctuation, excellent spelling and solid grammatical structures.

EG0020 STUDY METHODS AND TECHNIQUES

This course teaches the student to improve study techniques and time-organization skills, this facilitating his/her learning process and maximizing presentation abilities.

EG0030 LOGIC AND PHILOSOPHY

This course presents introductory issues of philosophy, logic and questions related to human thought processes. It aims to encourage the development of thinking strategies by addressing concrete problems through the application of logic principles and reasoning.

FIRST TERM

EG0113 ORAL AND WRITTEN EXPRESSION

This course instructs the future physician how to construct clear, accurate, and proper thoughts and messages in Spanish. Improve the capacity of oral and written communication to students who wish to speak and write with clarity, simplicity, accuracy, both in private life, in business and in public. Prerequisite: Propaedeutic courses.

FA0113 INTRODUCTION TO PHARMACY

It familiarizes students with the scientific language of the pharmaceutical profession and related fields. It manages the student to identify the importance of their roles in the health. It allows the student to obtain an overview of the different orientations of the pharmacy, both in traditional and alternative, homeopathic and natural. Prerequisite: Propaedeutic courses

IN0113 INTRODUCTION TO COMPUTER

This course provides the student with practical and theoretical knowledge of computer systems, including hardware, software, multi-media, and internet concepts. Prerequisite: propaedeutic courses.

MA0113 MATHEMATICS I

This course trains the student in the knowledge of elementary algebra and manages that student handle mathematics as instrumental language of pharmacological practices. Prerequisite: Propaedeutic courses

QU0113 GENERAL CHEMISTRY I

This course introduces students to the history of chemistry, atomic theory and the extended essay on Nomenclature, learning basic concepts such as classification of elements and compounds, states and properties of matter, physical and chemical changes, as well as energy variations. Prerequisite: propaedeutic courses

LQ0113 GENERAL CHEMISTRY I LABORATORY

It complements the theory and implements the basic concepts such as stoichiometry, endothermic and exothermic processes and their properties. Prerequisite: propaedeutic courses

SS0113 HEALTH AND SOCIETY

This course assimilates concepts of public-health and social-medical in the definition of health policies. Also, their relation to other social sciences within the context of national development will be examined. Prerequisite: Propaedeutic courses

SECOND TERM

BG0123 GENERAL BIOLOGY

This course has an approach theoretical practice that offers a general and up-to-date overview of biological sciences. Knowledge and understanding criticism of different biological topics, they are basic aspects of the profile of every professional in the area of Medical Sciences. The course aims to contribute through the study of the different basic and current topics of biology.

LB0123 GENERAL BIOLOGY LABORATORY

Developing a comprehensive program that incorporates basic aspects and illustrates the current state of biology. The student will understand the diversity of living beings, their special adaptations to the environment and their evolutionary and biological interactions.

EG0123 RESEARCH METHODS

Taken very early in the sequence this course provides the student with the tools in experimental design that will allow him/her to conduct research. The course emphasizes design but it also reviews the presentation formats and information sources of medical articles.

EG0133 CULTURAL DEVELOPMENT AND HISTORY OF CENTRAL AMERICA

This course describes and analyzes the most important historical events and cultural tendencies. Through this, the student will better understand Central America.

FG0123 GENERAL PHYSICS I

In this course, students acquire knowledge of the basic concepts of general physics important for studies of the biomedical sciences, within the content, the basic concepts of mechanics and thermodynamics, optics and acoustics, electricity and magnetism, atomic and nuclear physics. Prerequisite: MA0113

MA0123 MATHEMATICS II

It introduces students to the basic concepts of trigonometry flat, exponential and logarithmic functions; and its applications. Allows the student to develop skills in the calculation of the limits and trains him/her in the differential and integral management of real functions of real variables. Prerequisite: MA0113

QU0123 GENERAL CHEMISTRY II

Expanding the knowledge of General Chemistry, it focuses on concepts of enthalpy and internal energy, energy in the physicochemical processes, thermochemical equations, law and principles of thermodynamics zero; gas, law and property characteristics, Kinetic Molecular theory of gases, TCM. Prerequisite: QU0113-LQ0113

LQ0123 GENERAL CHEMISTRY II LABORATORY

Students put into practice all the concepts learned in theory. Laboratory sessions are important because through them the students develop not only knowledge and skills, but will be prepared and familiar with situations they have to deal with too often. The experimental analysis involves calculations, draws graphs, interprets and applies the acquired knowledge to similar situations that have been analyzed. Prerequisite: QU0113-LQ0113

THIRD TERM

BE0134 BIostatISTICS

The objective of pharmacological practices at national level was no longer the Regency, now it is the production of medicines able to prevent; cure and alleviate the effects of the diseases, for this is necessary the implementation and the development of efficient methods for collection, presentation, analysis and interpretation of numerical data; to form a discriminatory approach for arbitrary and devoid of scientific value use. Prerequisite: MA0123

FA0223 PHARMACEUTICAL ADMINISTRATION I

The students begin to get familiar with concepts, theory, techniques and systems that make up the science of administration; in this way, they must demonstrate knowledge about the major issues that make up the administrative process: planning, organizing, directing and control, in order to have some administrative tools used by administrators and managers from public and private companies, including the pharmaceutical, which allows the student to deepen in the logic model of the administrative process as part of a series of aspects needed to achieve good performance in any type of Organization, without neglecting the administrative scope of the pharmaceutical company. Prerequisite: FA0113

FG0133 GENERAL PHYSICS II

The course develops the ability to think about the physical phenomena and physiological processes. It acquires knowledge of the physical mechanisms of physiological phenomena, biological effects of physical factors and principles of imaging in medicine. Within its content, are biomedical applications of the basic concepts of mechanics and thermodynamics, optics and acoustics, electricity and magnetism, atomic and nuclear Physics. Prerequisite: FG0123

MO0134 GENERAL ANATOMY

Anatomy includes both systematic and topographical anatomy, as well as clinical and radiological anatomy through the study of anatomical preparations, research and personal study. Prerequisite: BG0123-LB0123.

QO0134 ORGANIC CHEMISTRY I

The course of organic chemistry and its laboratory pharmacy teach the structural relationship of drugs, as a basis for understanding their biological effects, it allows to gain insight in the structure of organic molecules from drugs, the relationship of the structure with the activity of drugs, reactions of functional groups of drugs and techniques for the identification and design of organic molecules of drugs. Prerequisite: QU0123-LQ0123

LO0134 ORGANIC CHEMISTRY I LABORATORY

This course develops Laboratory Technical Working and basic organic chemistry. It strengthens the understanding of the principles and concepts. Apply the knowledge acquired in the theoretical course develops the capacity for analysis and synthesis of information obtained at home experiment, acquires basic general knowledge of laboratory work and improves the ability of writing reports. This laboratory aims to reinforce the knowledge acquired in the theory. Prerequisite: QU0123-LQ0123

FOURTH TERM

ED0143 EPIDEMIOLOGY AND DEMOGRAPHY

In this course, the students interpret demographic data, develop basic epidemiological indicators, identify sources of epidemiological and demographic information available, describe the epidemiological and demographic information used to determine sets of objectives and priorities in areas and regions. Prerequisite: ED0143

FA0343 PHARMACEUTICAL CHEMISTRY THEORY

This course studies aspect related to the pharmaceutical calculation of radiopharmaceuticals; as well as the chemistry of compounds of coordination, silicon and the control of body PH. Enables to acquire basic knowledge of the preparation of magisterial formulas, supplemented by knowledge of the chemical bond and the chemical designation through the study of coordination compound. Prerequisites: QU0123-LQ0123

LF0343 PHARMACEUTICAL CHEMISTRY LABORATORY

On the Laboratory of this course, the students: 1. Acquire basic knowledge of the preparation of compounding. 2. Develop computational skills related to pharmaceuticals. 3. Supplement the knowledge of chemical bonding and chemical nomenclature by the study of coordination compounds. 4. Apply knowledge of acid-base theory in the study of mechanisms of action of different drugs used in controlling body of the acid. 5. Acquire basic knowledge of radioisotopes in medicine focused on the use of radiopharmaceuticals. 6. Acquire fundamental knowledge of the chemistry of silicon and the use of silicates in the pharmaceutical industry. Prerequisites: QU0123-LQ0123

FS0144 PHYSIOLOGY

The course has a practical theoretical approach that offers the student a general and up-to-date overview of the physiology. The student acquires the fundamentals that explain the normal functioning of the human body, allows understanding and analyzing the different pathological situations. Prerequisite: MO0134-FG0133

LF0144 PHYSIOLOGY LABORATORY

Knowledge and critical understanding of the different physiological topics constitute the basic aspects of the profile of professional in the area of medical sciences. This course aims to contribute to the training of these professionals. Prerequisite: MO0134-FG0133

FA0263 PHARMACEUTICAL ADMINISTRATION II

Once the student has approved FA0223 Pharmaceutical Administration I, may participate in this second course, which is designed to deepen aspects in the knowledge of the science of administration, especially with the managerial and technical work of all administrator, addressing issues associated with strategic planning, the administration of project operations; as well as other topics of interest in this career as it is marketing and financial management, accounting and operations. All these elements are of practical application in any organizational environment. Prerequisite: FA0223

QO0144 ORGANIC CHEMISTRY II

This course understands the fundamental theoretical concepts about the nature of chemical bonding, functional groups that characterizes the different organic molecules and reaction mechanisms for understanding the chemical processing capacity with these molecular models, to obtain new materials, with application in all industrial fields conceivable to improve the quality of life.

Prerequisite: QO0134-LO0134

LO0144 ORGANIC CHEMISTRY II LABORATORY

It develops the basic organic chemistry lab work techniques and strengthen compression of the principles and related concepts. It develops the capacity for analysis and synthesis of the information obtained in each experiment. Some subjects that students see on this laboratory are: Purification techniques mixtures of organic compounds, practical demonstration on handling of solvents of different polarity, purification by partition of a mixture of benzoic acid and glucose mixtures, purification by simple distillation and fractional, discussion of applications, evaluation of chemical properties of alcohols, solubility, esterification, oxidation and halogenations, adsorption chromatography, concept, foundation and separation by column chromatography chlorophylls. Prerequisite: QO0134-LO0134

FIFTH TERM

BQ0154 BIOCHEMISTRY

This course includes the study of the metabolic pathways at the cellular level, of organs and systems, with a molecular approach to health and disease. It helps to understand and improve the chemical functioning of the body, with a comprehensive vision of chemical, physiological and pathological aspects; focusing on the human biochemistry. Prerequisites: QO0144-LO0144

LB0154 BIOCHEMISTRY LABORATORY

It provides the biochemical basis of the functioning of the cells, tissues and systems and their relations with the states of health and disease; by integrating, through examples, molecular, biochemical information, anatomy and physiology to achieve an overview of the functioning of the body. Prerequisites: QO0144-LO0144

FA0453 PHARMACOGNOSIA I

The course provides students with the skills needed to recognize the value of medicinal plants in human and animal health, trains students in the different scientific methods used to extract, separate, purify, detect and identify secondary metabolites produced by plants. Different issues about the scientific world are discussed, to generate interest about the possibilities to develop a regional pharmaceutical industry.

Prerequisites: QO0144, LO0144, BQ0154

LF0453 PHARMACOGNOSIA I LABORATORY

Some practices of the laboratory samples are: recognition of medicinal plants and their medicinal uses; popular crude extracts derived from medicinal plants by maceration and alcoholic and aqueous infusion, quantitative assessment. Purification by partition with solvents of increasing polarity of crude extracts derived from medicinal plants. Chromatographic analyzes and qualitative evaluation of infrared spectroscopy of purified extracts of medicinal

plants, adsorption, chromatography and the isolation and quantification of analgesic active ingredients present in different pharmaceutical formulations. Prerequisites: QO0144, LO0144

FA0553 PHYSICS IN PHARMACY I

The students acquire the basic concepts that help them understand in a qualitative and quantitative physicochemical phenomenon that occurs in biological processes or those involved in the development of pharmaceutical sciences. Provide students with a conceptual and physical-chemical physics. In addition to introduce the methods of scientific reasoning, a qualification for the study of more specific subjects of the career, helping to complete the training of future pharmacy graduates. Prerequisites: FG0133, MA0123

LF0553 PHYSICS IN PHARMACY I LABORATORY

It teaches the students the knowledge of those state variables that determine the properties of matter, by studying the properties of simpler organization: the gases and their state changes. Also, the correlation between physical and chemical changes and energy transformations they entail. Manage of the concept of speed chemical reactions and those variables that determine them. Prerequisites: FG0133, MA0123

FA0653 PHARMACOLOGY I

The course is directed to incorporate the fundamental principles on Pharmacology in a practical and targeted manner for the vocational medical sciences, which must have large bases and solid knowledge in this area. Develop in a comprehensive and detailed way, on the different pharmacological groups, the therapeutic indications, mechanism of action, adverse reactions, contraindications, interactions, elements, dynamic pharmacokinetic and drug, as well as their respective doses. Prerequisites: FS0144, BQ0154

LF0653 PHARMACOLOGY I LABORATORY

Valued and recognized the adverse reactions and clinical manifestations of the use of drugs. The laboratory uses the proper vocabulary and basic concepts of the therapeutic medical drug and reviews the pathophysiology of the Intensive Care. Prerequisite: FS0144.

FP0154 PATHOPHYSIOLOGY I

The course introduces the terminology used in pathology, the basic principles of the pathophysiological changes and symptoms associated with them; identifying the signs and symptoms associated with diseases in different organ systems in the human body. Understand and manages the pathophysiology of the general reactions of the body, as pain, fever, inflammation and the identification of symptoms and signs, as well as respiratory system diseases. Prerequisites: FS0144, BQ0154

SIXTH TERM

MQ0143 MICROBIOLOGY

It gives the students an overview in some specific aspects of microbiology as an important part in their formation, in order to serve as a tool at the time of their hospital practices. Makes sure the students to establish the difference between main pathogenic microorganisms: bacteria, fungi and viruses. Prerequisite: FS0144.

LM0143 MICROBIOLOGY LABORATORY

Informs students the different methods used in the laboratory for the detection of infectious diseases, so that they are able to interpret results when they face these in their lives as pharmacists. Prerequisite: FS0144

FA0463 PHARMACOGNOSIA II

The course provides students with the skills to recognize the value of medicinal plants in human health, training students in the different scientific methods used to extract, separate, purify, detect and identify secondary metabolites produced by plants. Different issues on the scientific world are discussed, to generate interest about the possibilities to develop a regional pharmaceutical industry. Prerequisite: FA0453

LF0463 PHARMACOGNOSIA LABORATORY II

Students deal with practices in laboratory studies: obtaining hydro alcoholic extracts from citrus fruit peels and purification with solvents of increasing polarity, the evaluation of chromatographic and chemical properties of coumarins in extracts derived from citrus peels, flavonoids, obtaining extracts rich in coumarins and flavonoids from leaves and bark of black tree (*Gliricidia sepium*), evaluation of the chemical, chromatographic and spectroscopic properties of the flavonoids in *Gliricidia sepium*. Isolation and spectroscopic characterization of hesperidin in citrus, the chemical characterization of tannins in crude extracts of medicinal plants (guava and mango) And chemical and chromatographic detection of anthraquinones in medicinal plants and pharmaceutical drugs. Prerequisite: FA0453

FA0563 PHYSICS IN PHARMACY II

The objective is to help students acquire the basic concepts to understand the qualitative and quantitative physico-chemical phenomena that occur in biological processes or those involved in the development of pharmaceutical sciences. It analyzes the behavior of weak acids and bases on the theory of Johannes Brønsted. It also studies acids and bases with biological and pharmaceutical importance. Introduces students to the vocabulary of spectroscopy, and analyzes the fundamental concepts of molecular absorption. It visualizes the concept of reaction rates, the classification of a reaction according to its order and the effect of temperature on a reaction rate. It analyzes the concepts of enzyme kinetics and enzyme inhibition by developing basic mathematical. It also relates the fundamental equations obtained with the molecular interpretation. Prerequisite: FA0553

LF0563 PHYSICS IN PHARMACY II LABORATORY

The goal is for students to observe in practical laboratory experiments the subjects, of the theory, so that physicochemical and noticeable knowledge will be more natural. Besides acquiring the basic concepts that help to understand qualitatively and quantitatively, the physicochemical phenomena that occur in biological systems or those involving the development of pharmaceutical sciences. It interprets the concept of viscosity and relates the molecular structure of liquid viscosity, displays the use of acid-base indicators in determining the PH of a solution, studies the acid-base theories, the concept of buffering solutions and the processes involved in the hydrolysis of salts.

Prerequisite: FA0553

FA0663 PHARMACOLOGY II

This course provides appropriate knowledge about main drugs used in the treatment of pain; cardiovascular system and lipid lowering drugs with an indication in conditions of thyroid with the respective use, indication, contraindication, application and special considerations about the exponents of the pharmaceutical groups. Prerequisite: FA0653

LF0663 PHARMACOLOGY II LABORATORY

The students will know the indication, route of administration and reporting of current drugs. They will remember the pharmacokinetics and pharmacy dynamic of each of the drugs most used in therapy. Also, they will use the vocabulary and basic concepts of the therapeutic pharmacological medical.

FP0164 PATHOPHYSIOLOGY II

Learn the basic principles of the pathophysiological changes and symptoms associated with diseases and identify the characteristic signs and symptoms of the diseases in different organ systems in the human body. The student will be able to analyze the pathophysiology of cardiovascular system diseases, and the identification of symptoms and signs, to interpret the pathophysiology of diseases of the gastrointestinal system, and the identification of symptoms and signs, recognize the pathophysiology of endocrine metabolic system diseases, and identifying signs and symptoms and describe the pathophysiology of diseases of the female reproductive tract, and the identification of symptoms and signs. Prerequisite: FP0154

LM0162 ENGLISH I

This ESL course has been designed for students who have had some formal high school English instruction but whose ability to communicate in English is limited. Emphasis is on correct usage of Basic English grammatical structures, developing reading and writing skills and familiarity with medical terminology and topics.

The student will participate in activities that lead him/her to improve his/her vocabulary and grammar structures applicable to medical field. There is special emphasis on developing the ability to understand and take part in medical activities.

SEVENTH TERM

FA1074 DRUG ANALYSIS I

It includes the theoretical foundations and basic calculations used in analytical chemistry, volumetric and gravimetric techniques; the theory of electrolytic solutions, the redox equilibrium and balance theory, acid base of complex systems, as well as the potentiometric. Prerequisites: QU0123, LQ0123

LF1074 DRUG ANALYSIS I LABORATORY

Know the theoretical foundations and practical, basic, analytical and instrumental of widespread use in the pharmaceutical industry. Complete the knowledge of analytical techniques studied and develops skills in the manipulation and use of laboratory instrumentation. Prerequisites: QU0123, LQ0123

FA0873 COMMUNITY PHARMACY

This course provides students with basic tools necessary to develop conceptual and practical alternatives for the implementation of pharmaceutical care in community pharmacy. Form the students to reach their professional work in the field of pharmaceutical care in community pharmacy, fosters in students the ability to track the treatments received by patients in community pharmacy, develop skills to work by applying pharmaceutical care in community pharmacy, develop strategies for the application of treatments to the most common diseases in community pharmacy. Prerequisites: FA0663

FA0673 PHARMACOLOGY III

Focus on knowledge, analysis and reflection of the main components of the drug therapy used in intensive care, stimulating cognitive, intellectual and emotionally the practical exercise on medications and nature bio-physiological of the phenomenon itself. Prerequisites: FA0663

LF0673 PHARMACOLOGY III LABORATORY

This is a complement of the Theory, where the students can practice all their knowledge. Prerequisites: FA0663

LM0172 ENGLISH II

This course develops the command of English through interpretative readings and the active and reasoned use of the language. Emphasis is given to question and answer formats and to grammar structures. Prerequisite: LM1012

FA0774 MEDICINAL CHEMISTRY I

The students acquire competition to elaborate demo -pharmaceutical formulas. Different formulations that cover some of the pharmaceutical physical systems have been established for this.

It is focus to give the student an overview of all technological, theoretical and practical aspects that should be considered for the correct development of application on the skin preparations. Prerequisite: BQ0154.

LF0774 MEDICINAL CHEMISTRY I LABORATORY

The content of the laboratory of medicinal chemistry is motivated by the conditions of pharmaceutical profession today. The high incidence of skin disorders, as the rise of the masterful formulation of demo -pharmaceutical preparations and cosmetics justified the creation of this discipline in the Bachelor of pharmacy curriculum. Prerequisite: BQ0154.

FA0973 THERAPEUTIC

The course provides students with the knowledge and alternative treatment of disease, to relieve symptoms or to produce healing patients to improve their quality of life in the pharmaceutical field. Analyzes the different treatment alternatives in most common conditions in community pharmacies; develops the capacity for analysis and synthesis of potential treatments in the same pathology and acquires different therapeutic alternatives in most common conditions in community pharmacies. Prerequisite: FP0164

EIGHTH TERM

FA1084 DRUG ANALYSIS II

Learn the fundamentals and skills of instrumental analytical techniques widely used in the pharmaceutical industry. Acquire basic knowledge of spectroscopic techniques, mass spectrometry, chromatography techniques, develop computational skills in the interpretation of spectra and chromatograms. Complement the knowledge of analytical techniques studied in Drug Analysis I. Prerequisites: FA1074, NPMA

LQ1084 DRUG ANALYSIS II LABORATORY

The course develops skills in handling equipment, and basic knowledge of spectroscopic, chromatographic and mass, commonly used in pharmaceutical quality control and research and development. 1. Knowing the theoretical foundations of instrumental analytical methods such as IR spectroscopy, chromatography and mass. 2. Learn basic handling procedures related to the techniques applied. 3. Learn the principle of operation of the instruments and the specific functions of its main components. 4. Develop skills in using the database and mass spectrometry. 5. Develop skills in interpretation of spectra using correlation charts. 6. Get familiar with the software of the equipment to put the set-up with operating parameters described in the protocols. 7. Make graphs using Excel and calculations of quantitative results obtained with the equipment. 8. Prepare laboratory reports according to established formats for practical classes. 9. Apply safety rules in laboratory work. Prerequisites: FA1074, NPMA

FA1283 PHARMACEUTICAL ETHICS AND LEGISLATION

The student learns about the health legislation and ethics applied to the exercise of the pharmaceutical profession, and proposes the basics of ethics which formed the framework of action of the student, in his professional life. Prerequisites: FA0673, NPMA

FA1184 FUNDAMENTALS OF MEDICAL VISITS

The course provides students with the tools of marketing, effective communication and pharmaceutical ethics, which allow them to visualize the optimal performance of the professional pharmacist in the current medical visit. The student will be able to recognize the current legislation that regulates the professional practice of medical visit in Costa Rica, to recognize the Code of Ethics regarding drug promotion, the International Federation of Industry, to recognize the importance of analysis of clinical studies, identify and apply basic concepts of Pharmaceutical Marketing and assess the importance of using current tools to optimize the management of information.

Prerequisites: FA0673, FA0263, NPMA

LM0182 TECHNICAL ENGLISH

The main goal of this course is for students to develop the ability to use grammatical structures correctly in order to participate and understand every day conversations as well as those related to the medical field, and to enhance their ability to read and understand English. Prerequisites: LM0172, NPMA.

FA0784 MEDICINAL CHEMISTRY II

The objective of the course allows obtaining knowledge in: Interactions between drugs and receptors, drug metabolism, structural variation and design of new drugs, use of drugs, and effects on enzymes. Inhibition activity and specific groups of drugs. Prerequisites: FA0774, NPMA.

LQ0784 MEDICINAL CHEMISTRY II LABORATORY

In this course the student learns about the ratio of the molecular structure and pharmacological activity, as well as potential new structures, also considering biochemical and biological effects. It also allows obtaining knowledge on the interactions between drugs and receptors, drug metabolism, structural variation and design new drugs, use of prodrugs, effects on enzymes and inhibition

Prerequisites: FA0774, NPMA.

LICENCIATE DEGREE

NINTH TERM

FA1614 BIOPHARMACEUTICS

The course allows to acquire the knowledge, skills and abilities that enable students to solve biopharmaceutical problems in dosage forms and administration of medications, familiarize students with the pharmacokinetic studies of a drug in the evolution of its overall therapeutic effectiveness and to understand the main models used in understanding the distribution and kinetics in drugs.

Prerequisite: Bachelor completed.

LF1614 BIOPHARMACEUTICS LABORATORY

The main objective of this course is to put into practice all the knowledge acquired in the theory; students can also evacuate all doubts in practice.

Prerequisite: Bachelor completed.

FA1714 QUALITY CONTROL I

Students develop a critical attitude and practice about the chemical analyzes used in the pharmaceutical profession and the use of high-quality drugs for patient's safety. It establishes the basic concepts of analytical chemistry to develop theoretical and practical knowledge of the most commonly used volumetric reactions in chemical analysis. This course is an introduction to the Quality theory, different tools of control, efficiency and labor productivity, strategic pacification and Metrics. Prerequisite: Bachelor completed.

LF1714 QUALITY CONTROL I LABORATORY

Students will learn about customer service in health and its characteristics, and also about teamwork and its foundations. Prerequisite: Bachelor completed.

FA1514 INDUSTRIAL PHARMACY

The course provides the student Industrial pharmacy knowledge in relation to industrial production of all possible dosage forms available, giving the knowledge about: oral liquid forms, oral solid forms, injectable, rectal administration forms and vaginal sprays, pharmaceutical dosage forms on the skin and mucous membranes, and corrective coloring and new forms of drug delivery Prerequisite: Bachelor completed.

LF1514 INDUSTRIAL PHARMACY LABORATORY

The Industrial Pharmacy Lab offers students the practice of the theory, students do exercises and experiments with oral liquid forms, forms solid oral, injectable, rectal administration forms and vaginal sprays in addition to pharmaceutical dosage forms on the skin and mucous membranes, etc. Prerequisite: Bachelor completed.

FA1413 HOMEOPATHY I

Introducing the doctrine and homeopathic philosophy, students with critical spirit and scientific basis, do not exclude any therapeutic method. In this course, they will learn the basic principles that govern the homeopathy since its inception. Prerequisite: Bachelor completed.

FA1313 TOXICOLOGY I

In this course, you will study studied aspects related to analytical techniques of immunoassay and develop skills in the conduct of the trials. You will acquire basic knowledge in the technical competitive ELISA, develop skills in its use and work with the micro qualification boards. Apply the fundamentals of Immunology and interpret results of trials protocols. Prerequisite: Bachelor completed.

TENTH TERM

FA1924 QUALITY CONTROL II

This course is a quick review of Quality Control I, together with Quality Administration, Quality Systems and Quality Control Methods. It also introduces Methodologies for solution of Problems. Prerequisite: FA1313.

LF1924 QUALITY CONTROL II LABORATORY

This course develops a critical attitude and practice about the chemical analyzes used in the pharmaceutical profession and can be used to ensure high quality medicines and patient's safety. This laboratory is a practice of the theory. Prerequisite: FA1313

FA1824 HOSPITAL PHARMACY

Its main goal is acquiring knowledge, abilities and skills to develop the functions and activities made by pharmacists in hospital pharmacy services, within the framework of the system of the comprehensive health care model. Prerequisite: FA1614

FA1423 HOMEOPATHY II

Having taken and passed Homeopathy I, this course is intended to consolidate the elementary principles of homeopathy and the application of this therapeutic discipline, as well as its performance in the pharmacy career. Prerequisite: FA1413

FA1323 TOXICOLOGY II

This course will analyze different aspects of toxic substances and their potential for poisonings and their management. Within the general objectives is the definition of Toxicology. It also analyzes the different fields of toxicology in order to form an overall picture, familiarization with some personalities and events that have contributed to the development of toxicology, identifies the main causative agents of poisoning, determines trademark for products of any toxic, describes the various parameters for the detection of toxic and assess the mechanism of action of the toxic. Prerequisite: FA1714

FA2023 GUIDED RESEARCH

This course provides students with the skills needed to perform the Final Graduation. The main objective is to develop the methodology and the complement for the students to make the Final Graduation. Analyzes the theoretical and practical bases of the methodology used in research in the field of pharmacy, develop skills in written and oral presentation of research and together build teacher - tutor - student scientific research in the field of Pharmacy.

NURSING PROGRAM

The nursing graduate is a professional trained to provide comprehensive care, based on the nursing process, which will allow him/her to evaluate the patient, his relative's environment and define the actions to follow, apply the nursing diagnosis to plan strategies to help the professional prevent and intervene in health, from the approaches of Nursing. The Nursing Professional is the key within the health system. His ethics are vital to his professional training, awareness and respect of the rules governing Nursing. The Nursing Professionals are committed to update their knowledge continuously, and to promote research to achieve better care.

Professional Profile

Advantages of Studying Nursing at UNIBE

- University specialized in health sciences.
- High-level training in basic and clinical sciences
- Clinical rotations in A class hospitals, offering learning experiences and uplifting cases.
- Combining clinical courses with learning experiences in the field of primary care and the administrative area.
- Interdisciplinary educational environment, with students of other careers of Health Sciences
- Laboratory simulation of clinical procedures
- Clinical rotations during the career and an internship at the end

FIRST TERM

CS0113 HEALTH AND SOCIETY

This course assimilates concepts of public-health and social-medical in the definition of health policies. Also, it examines will be their relation to other social sciences within the context of national development.

NU1013 NUTRITION AND SOCIETY

Describe the basics of the science of nutrition related to the different stages of human development and the importance of assessing the nutritional status of individuals and groups, describes the basics of nutrition, assess the nutritional status and calculates the caloric requirement of an individual, recognizes the importance of nutrition of individuals and values the lifestyle of a community.

EG0132 HISTORY AND DEVELOPMENT OF CENTRAL AMÉRICA

The main objective is to help students acquire the basic knowledge of their environment, their past. This course will run from the origins of our indigenous ancestors, pre-Columbian history, conquest, colonial, independence, and the emergence of the Costa Rican government to contemporary times. Facilitates knowledge by building on the development of the ancient history of Central America and analyzes the structure of colonial societies.

EX0112 ORAL AND WRITTEN EXPRESSION

This course instructs the future physician how to construct clear, accurate, and proper thoughts and messages in Spanish. Improves the capacity of oral and written communication to students who wish to speak and write with clarity, simplicity, accuracy in private life, in business and in public.

PS1013 GENERAL PSYCHOLOGY

This course achieves greater understanding about the nature of human behavior, and the interactions between physical, psychological and environmental influences on individual behavior. Students analyze the historical roots of General Psychology, the scientific methods used and the general principles.

SECOND TERM

MA1013 MATHEMATICS AND BIostatISTICS

Students obtain the skills of mathematics as a basis for scientific study of areas, learn the basic principles and methods of descriptive and inferential statistics, and acquire skills in the collection, presentation, analysis and interpretation of statistical data.

BI1014 BIOLOGY AND BIOCHEMISTRY

Develop a Comprehensive Program, which is incorporated from the basics to topics that illustrate the current state of the Biology Science and Technology. Understand and appreciate the diversity of living things, their special adaptations to the environment and their interrelationships and evolutionary biology. Develop awareness of the importance of acquiring knowledge in biology, which allows a better understanding.

AN1013 GENERAL ANATOMY

It covers a description of the organization of living matter, tissues and organs that form the human body and details of the structure, characteristics, location and function of tissues and organs of the human body.

It includes both the systematic anatomy, and the topographic anatomy through the study of anatomical preparations, research, personal study, and clinical and radiologic anatomy.

EG2113 RESEARCH METHODS I

Use research conceived as a working strategy and professional development in health work. Explain the role of research, object, subject, theory and method in research and the definition of the problem or event to explain the assumptions and explanations of reality under study, feasibility for research, empirical and theoretical explanation of reality studied.

IC1012 INTRODUCTION TO COMPUTERS

This course is designed for students to assimilate and use the computer and the necessary knowledge to introduce a highly skilled profession, requiring therefore a special open-mindedness to adapt to the fast changing electronics industry in general and to the computer in particular.

THIRD TERM

CS2012 EPIDEMIOLOGY AND DEMOGRAPHY

This course interprets demographic data, develop - estimated basic epidemiological indicators, identify sources of epidemiological and demographic information available in the country, describe the epidemiological and demographic profile of Costa Rica, using demographic and epidemiological information to determine target groups and priorities or goals in areas or regions, distinguishing the different types of epidemiological studies design, their advantages and limitations, and discuss epidemiological articles. Prerequisite: MA1013

FI2013 PHYSIOLOGY FOR NURSING

Develop a comprehensive program that incorporates topics from basics up to the current status of physiology. House interrelated functions of the systems comprising the human body. Develop student awareness of the importance of acquiring knowledge in physiology, which allow understanding and analyzing the different situations, both pathological and special. Prerequisite: AN1013

CS2013 EPISTEMOLOGY OF HEALTH SCIENCE

Students conceptualize epistemology in nursing depending on the historical process of building the Nursing thinking over time and its influence on the care of healthy and sick individuals, and to analyze different stages of nursing care, the different taxonomies and nursing theorists. Prerequisite: EG2113

EG3013 RESEARCH METHODS II

Use research conceived as a working strategy and professional development in the work of health. Apply the steps of the scientific method, using methods practices, executes actions in research and evaluates the effectiveness of actions taken. Prerequisite: EG2113.

AD1012 ADMINISTRATION I

The course introduces students to management theory drawing on the different administrative approaches that allow a greater range of solutions and creativity in managing health services. Management analyzes and perspectives, reviews the role of government in modern society, the object obtained and the study of the origins of management and administration.

FOURTH TERM

EE2014 NURSING BASICS

It identifies the general concepts in the care of the patient and scientific principles applied in basic nursing activities. It develops student's attitudes, skills and management skills of interpersonal therapeutic process with the patient, family and health team. It defines what is nursing, its philosophy and humanistic dimension. Prerequisite: FI2013

BI2014 NURSING: MICROBIOLOGY AND PARASITOLOGY

Familiarizes students with the most common microorganisms and parasites, their importance in our environment and their mechanisms of pathogenicity, achieves the best handling and preparation of patients with bacterial, fungal, viral and parasitic for proper sampling for laboratory diagnostic of these diseases and interprets the various laboratory tests that allow diagnosis of diseases caused by microorganisms and parasites. Prerequisite: FI2013

ED2012 FUNDAMENTALS OF NURSING EDUCATION

Acquire knowledge of basic human needs and how to meet different concepts and principles for the safe and timely care of the patient. Describe and explain the aseptic technique and its importance in the application for the prevention of infections. Identify the different routes of drug administration.

FA2014 PHARMACOLOGY IN GENERAL

Students conceptualize the importance of the study of pharmacology, actions, interactions, desired effects and side effects of drugs, methods of administration, nursing actions and legal aspects of drug administration. Prerequisite: BI1014

LM2012 ENGLISH I

On this course, students can understand the basic structure of English Grammar, attaining a level of proficiency in the 4 skills (reading, writing, listening, speaking) and use the language of the classroom in the outside world.

FIFTH TERM

EE2027 NURSING: COMMUNITY AND FAMILY

It prepares for initial positions of Community Health Nursing, developing leadership skills in team care and community health. It provides nursing care to individuals and families, plans and conducts health services to groups of people. The course gives nursing care in various community settings. Prerequisite: EE2014

EE2037 NURSING: PSYCHIATRIC AND MENTAL HEALTH

It explores the mental health problems in the country and the possibilities of prevention, treatment and rehabilitation at present, examines the factors that contribute to the promotion of mental health, identifies the contribution of nurses in mental health activities, community outreach and family mental health services, identifies the concept of mental, basic needs and the implications in the behavior. They develop skills and abilities in the therapeutic management of interpersonal process. Prerequisite: EE2014

AD2022 ADMINISTRATION II

This course complements the vision of management theory with the latest approaches to analyze the management style of health institutions in the country. Develops attitudes and management skills to manage health care in public and private. It analyzes the Neoclassical School of Management, behavioristic administration theory, organizational development theory, systematic school administration and management trends. Prerequisite: AD1012

LM2022 ENGLISH II

This course makes students to understand the basic structure of English Grammar, to attain a level of proficiency in the 4 skills (reading, writing, listening, speaking). Prerequisite: LM2012

SIXTH TERM

EE3017 NURSING - WOMEN HEALTH AND PERINATOLOGY

This course applies knowledge of the biological sciences, social and behavioral activities related to conservation of the health of women and children up to four weeks age, develops attitudes, skills and abilities to provide nursing care comprehensive and sustained support to women and children until the age of four weeks and applies and integrates principles to reduce disease and prevent maternal morbidity and maternal perinatal. It also applies the nursing process in pathophysiological common conditions to women and children in their first four weeks, and integrates knowledge on sex education in the nursing care plan for women. Prerequisite: EE2027

EE3024 NURSING: GERIATRIC

The course explores the problems of the elderly individual and the possibilities of prevention, treatment and inclusion in society today. Identifies the contribution of nurses in the care of the elderly individual, the extent in the community and within the family. At the same time, develop attitudes, skills and abilities in hospital care, shelters and nursing homes for elderly individuals with health problems. Prerequisite: EE2037

EE3037 NURSING: MEDICAL SURGICAL I

Interprets morbidity - medical adult mortality, develop attitudes, skills and abilities in the care of adults with oncohematological problems, electrolyte and acid base, respiratory, cardiac, gastrointestinal, endocrine and renal logical infectious as morbidity and mortality. It also applies the nursing process and techniques of physical assessment in the work of nursing. Prerequisites: EE2014, EE2027, EE2037

SEVENTH TERM

EE3058 NURSING: MEDICAL SURGICAL II

The course provides knowledge on the care of adult patients with surgical conditions. Develops attitudes and skills for effective nursing intervention with the patient who will undergo a surgical procedure. Analyzes the individual's reaction to the surgery, the patient's family care, and the physical and emotional preparation of patients who will undergo the surgery. It details the post - operative care and the pathophysiology, through diagnosis and treatment of the most common surgical diseases in the country. Prerequisite: EE3037

EE3048 NURSING: CHILDREN AND TEENAGERS

This course applies knowledge of biological sciences, social, and behavioral health-related activities of children from four weeks old to adolescence. Develops attitudes, skills and abilities to provide comprehensive nursing care. It assesses knowledge and development of infants and pre - school children in all aspects of life. You apply the nursing process in pathophysiological conditions common to the infant - preschool, school and adolescent and establish effective relationships with children, adolescents and parents in nursing care. Prerequisite: EE3017

CS3012 NURSING: ETHICS

This course identifies and analyzes the concepts of moral and professional ethics governing the practice of nursing in Costa Rica. Also, identifies the philosophical principles of professional ethics, ethics and profession, ethical and legal implications of confidentiality, and describes patient rights, nursing legislation in Costa Rica, plus fees and profession. Prerequisite: EE2014

EIGHTH TERM

AD4018 ADMINISTRATION OF NURSING SERVICES

This class demonstrates ability in the administration of nursing care in selected services. Applies selected services in the administrative process to identify administrative problems related to nursing care. Takes appropriate and adequate decisions in nursing care. Develops skills in implementing innovative strategies in the administration of nursing services, as well as in planning, implementation and evaluation of care plans and services, and develops leadership and teamwork to improve the performance and quality of services through continuous improvement. Prerequisite: AD2022

EE4022 LEGAL ASPECTS OF NURSING

The course objective is for students to understand the fundamentals and importance of the legal aspects of nursing practice, to know properly the legal regulations death, injury and aggression, to be able to handle a situation of death and make medical - legal opinion and be aware of social influence in increasing problems such as drug addiction, violence, suicide and mental illness. Prerequisite: EE2014

EE4018 NURSING EMERGENCIES

This class develops abilities and skills in the management of patients in critical situations in their sudden health condition during hospitalization. Prepares students in situations such as acute myocardial infarction, acute pulmonary edema, cardiogenic shock, septic shock, hypovolemic, cardiac arrhythmias, massive pulmonary embolism, abnormal acid - base balance, heart attack – respiratory failure, cardio-respiratory resuscitation techniques, intravenous approach, patient monitoring, ventilator support in critically ill patients, among other situations. Prerequisite: EE3037

LICENCIATE DEGREE

NINTH TERM

EE5012 WORK NURSING & REHABILITATION

Identifies the role of nursing in health promotion at work, develops attitudes, skills and abilities in occupational health nursing and rehabilitation. Identifies the concept of occupational health, health related issues, labor and working conditions of life, the legislation on occupational health, hazardous conditions at work and occupational health. Prerequisite: Bachelor completed.

EE5028 CRITICAL NURSING

The course develops attitudes, skills and abilities in handling nursing of patients with medical - surgical, gynecological - obstetric, psychiatric emergencies, and mass disasters. Helps students cope with emergency situations such as cardiovascular, respiratory failure, cardio -

respiratory resuscitation, burns, endocrine emergencies, total and partial drowning among other situations. Prerequisite: Bachelor completed

AD5012 HUMAN RESOURCES MANAGEMENT

This course study and apply new concepts and dimensions on people management in organizations. It Identifies history of Modern Human Resource Management, Motivation, satisfaction and productivity, patterns of leadership and organizational environment, human resources management, performance management, occupational health and safety, personnel administration: recruitment, analysis, classification and job description and valuation of positions. Prerequisite: Bachelor completed

AD5022 MANAGEMENT RESEARCH

The course applies the scientific research process to determine the effectiveness and efficiency of scientific management, history of operations, research models, feature-construction, evaluation, operations research, decision making in conditions of uncertainty, simulation and work processes, as well as process control and work. Prerequisite: Bachelor completed

TENTH TERM

EE5038 PEDIATRIC NURSING

Identifies the causes of morbidity - the child mortality from birth to age 12, develops skills for the nursing care of the child being hospitalized for damage or threat to physical integrity as profile, prevent childhood diseases, identifies physical assessment of the child in hospital environments, care of premature infants, postmature and dismature. Guide nursing care of newborns and infants with birth defects and inherited diseases, nursing care of children infected, accident prevention and care of children injured and poisoned. It assists the nursing care of children with blood and metabolic disorders.

AD5032 EVALUATION AND PREPARATION OF HEALTH PROJECTS

Identifies conceptual elements for the preparation of investment projects in public and private health, defines projects, plans development, programs, preparation and evaluation of projects, market research, economic analysis, economic evaluation, analysis and risk management. Prerequisite: AD5022

AD5031 INFORMATION SYSTEMS AND TECHNOLOGY IN HEALTH

It takes advantage of the design of information systems and information technology to achieve better management of health care services. It defines the current information, the impact of information systems in the organization, technology information and organizational strategy, analysis and systems design, comprehensive information systems and information systems for management. Prerequisite: AD5012

AD5052 MANAGEMENT & QUALITY OF HEALTH SERVICES

The course applies the new trends in management to achieve quality services in health institutions. It describes the organizational philosophy as a motivational tool, the mission and vision in management, and executive skills in total quality. It identifies strategic management, theories of total quality and leadership. Prerequisite: AD5022

ELEVENTH TERM
STUDENTS HAVE OPTION TO HAVE ONLY ONE TOPIC

SE5006 EMERGENCY SERVICES

SA5006 GENERAL SURGICAL MEDICAL SERVICES

SC5006 OUTPATIENT OR COMMUNITY SERVICE

MASTER OF NURSING IN INTENSIVE CARE

PROFESSIONAL PROFILE

The nurses with a Masters degree will be able to perform their duties on the job, which requires compliance with the following tasks;

- ❖ Run tasks associated with Nursing Supervision or intensive care service in hospitals in the public and private sectors.
- ❖ Conduct their functions independently, taking into consideration the general instructions and according to principles and rules governing nursing.
- ❖ Provide excellent service and quality, taking into account the ethical and moral principles that guide human activity.
- ❖ Maintain absolute discretion in the managing of patient information. Prepare the annual work plan and monitor compliance.
- ❖ Plan, direct, coordinate, monitor, assess and control the provision of nursing services under their charge.
- ❖ Plan, develop and evaluate continuing education programs.
- ❖ Control the application of policies, standards and procedures, perform administrative tasks derived from their management, to ensure compliance with the rules of conduct and apply appropriate sanctions.
- ❖ Participate in the planning, implementation, monitoring, evaluation and control of the activities for the assistant training and nursing professionals, direct or advise the program staff in their activities, participate in the development of technical manuals

FIRST TERM

MC0116 PATHOPHYSIOLOGY

This course includes the scientific basis to explain how and why a pathological state is developed. It is indisputable that a professional nurse must know how certain alterations in the normal physiology of the patient are stated, in order to understand the reason of either intervention or treatment.

MC0114 ADVANCED BIOSTATISTICS

The primary objective of the health sciences, is to prevent and cure diseases, it needs the application and development of efficient methods of collection, presentation, analysis and interpretation of numerical data, allowing them to form some discriminatory criteria to arbitrary opinions lacking scientific value.

MC0216 CRITICAL CARE PHARMACOLOGY

The severely ill patient treatment includes important pharmacological measures, due to the complexity of its pharmacokinetic and pharmacodynamics phenomena, the professional nurse should carefully study each of these drugs, therefore you need to know and master mechanisms, indications, contraindications and major drugs dosage used in the patient

SECOND TERM

MC0326 THERAPEUTIC CLINIC I

The management of critically ill patients requires a comprehensive intervention of medical and nursing staff, it is certain that the professional who is dedicated to the care of critically ill patients must possess special skills and attitudes, and these allow students to timely react to situations related to treatment patients. It is the goal of this course, to develop the main phenomena involved in critical patient conditions and make the students understand their application in practice and therapeutic decision making

MC0426 VITAL SUPPORT

This course intends students to be able to handle adequately backed by the knowledge and skills required, the work of nurses in patient management in advanced life support, both from the standpoint of direct care, and that care planned according to the individual needs.

The main reason of the course is that students acquire appropriate knowledge on medical emergencies and especially learn to handle them in a timely, orderly and systematic way. In addition, it is intended that students develop the mental agility required to anticipate complications, alternatives and identify problems on emergency situations.

MC0124 ADMINISTRATION MANAGER

This course analyzes the major components of management theory, emphasizing the role of managers in the application of the principles governing this science. It is a review of each of the administrative and management process studied in its scope. This course allows students to analyze the principles, functions, methods, procedures and systems using management science.

THIRD TERM

MC0336 THERAPEUTIC CLINIC II

This course is designed in a way that complements the previous aspects, intended to explain some interventions that improve patient management. The students in the course develop skills and knowledge with which they can handle patients in a holistic manner. Avoiding to forget important details that will determine the quality of life of patients after they graduated from the intensive care unit.

MC0536 MONITORING PROCEDURE AND CRITICAL CARE

This course aims students to be able to cope, adequately supported by the knowledge and skills required, the work of nurses in the management of patients under hemodynamic monitoring invasive or noninvasive, active participation in performing procedures both from the standpoint of direct care and the planning of this care, according to the individual needs of each client.

MC0636 RESPIRATORY THERAPY AND MECHANICAL VENTILATORY

The respiratory system is a frequent target of diseases. The respiratory therapy was created to prevent and treat this serious complication. It is a complex discipline that involves deep study of respiratory physiology and extensive technological expertise in devices and appliances that aid in respiratory function. We have designed a course that includes teaching different techniques of respiratory therapy, oxygen therapy, aerosol therapy, humidification and of course mechanical ventilation.

FOURTH TERM

ID0001 GUIDED RESEARCH: AN OPTIONAL SUBJECT ONLY

MC9410 GENERAL INTENSIVE CARE NURSING

This course was scheduled in a way that integrates all the knowledge and skills acquired by students in their previous education. In this course students will see specific cases with their medical records and test results support can be obtained with this mental skill to identify patient problems and develop strategies or management plans

MC7410 NURSING CLINICAL FIELDS PAEDIATRIC INTENSIVE CARE

This course seeks to develop skills in nurses specialized in the care of patients admitted in the pediatric intensive care unit. It identifies the pathologies in the pediatric intensive care unit. The nursing care must be provided to the patient in the intensive care unit, and it defines nursing procedures performed in the Pediatric Intensive Care Unit and its complications, to meet pediatric pharmacology.

PSYCHOLOGY PROGRAM

PROFESSIONAL PROFILE

As a graduate in the Bachelor of Psychology UNIBE you will have acquired:

The knowledge to: Differentiate the various theoretical approaches and methodologies that guide you in the diagnosis, intervention and research.

The skills to: Design and implement prevention strategies and carry out research in the fields of occupational, forensic, clinical, educational and social psychology. Perform critical analysis of your work environment, aiming at self-care professional, as a primary prevention strategy.

Attitudes to: Join employment options in Psychology, with a high degree of competitiveness; Investigate and maintain a permanent attitude of study and reflection as a means of professional development.

Values for: Act according to ethical principles governing the professional performance of Psychology, respecting the different fields of action of other professionals.

PROPAEDEUTIC

EG00010 SPANISH

This course will work on improving the student's command of the grammatical structures of Spanish, including accurate punctuation and spelling. It is aimed at refining the latter. This is achieved through the creation of lexically rich texts, with accurate punctuation, excellent spelling and solid grammatical structures.

EG0020 STUDY METHODS AND TECHNIQUES

This course teaches students to improve their study techniques and time-organization skills, this facilitating his/her learning process and maximizing presentation abilities.

EG0030 LOGIC AND PHILOSOPHY

This course presents introductory issues of philosophy and logic, and questions basic human thought processes. It aims to encourage the development of thinking strategies by addressing concrete problems through the application of logic principles and reasoning.

FIRST TERM

EG0112 ORAL AND WRITTEN EXPRESSION

This course instructs the future psychologist how to construct clear, accurate, and proper thoughts and messages in Spanish. Improve the capacity of oral and written communication to students who wish to speak and write with clarity, simplicity, accuracy, in private life, in business and in public. Prerequisite: propaedeutic courses.

EG0213 CULTURAL DEVELOPMENT AND HISTORY OF CENTRAL AMERICA

This course describes and analyzes the most important historical events and cultural tendencies. Through this, the student will better understand Central America history and context.

LM0112 ENGLISH I

The main goal of this course is for students to develop the ability to use grammatical structures correctly in order to participate and understand every day conversation as well as those related to the medical field, to enhance their ability to read English with understanding, to convey ideas in writing and to listen respond actively.

PS0113 GENERAL PSYCHOLOGY I

This course makes a theoretical approach to the discipline of psychology and its various manifestations of abnormality and pathology. Defines the fundamentals of psychology, discusses the problem of normality, abnormality, criticizes the relationship between mental illness and society, and describes theories that explain human behavior and the patterns of mental disorders.

SA0113 HEALTH AND SOCIETY

Encourages the development of a critical - reflexive attitude by the student, about the different aspects involved in the health-disease process of Costa Rican society, so that allows the future professionals in psychology to distinguish the various fields of action where they can provide comprehensive care to individuals, their families and their communities.

PS0214 DEVELOPMENTAL PSYCHOLOGY I - EARLY CHILDHOOD

Describe the main factors and processes of development that occurs in children between 0 to 6 years at the physical, motor, language, cognitive, moral, social and emotional development. It explains the concept of physical and motor development during early childhood. It describes the socio-affective, moral development and interpersonal relationships.

PS0312 PSYCHOPHYSIOLOGY

This course aims to introduce the student in understanding the biological basis of human behavior. The neurosciences have experienced significant progress in recent decades and have provided answers to traditional questions about nerve functions and their impact on normal and pathological behavior. The course is intended that students know these contributions to help them interpret the physiological mechanism underlying higher mental functions. In relation to the acquisition of personal knowledge: Self-development: ability to identify gaps and errors in their knowledge and develop self-learning mechanisms, and generate logical conclusions from theoretical and experimental data. Generate possible hypotheses to answer cognitive-creative questions: generating practical conclusions from sensory experience and develop their intuition and insight in the field of psychophysiology.

SECOND TERM

PS0124 GENERAL PSYCHOLOGY II

This course points out the most important events that have marked the historical development of psychology, discusses the historical foundations of psychology in ancient Greece, knows the process of articulation of the formal study of psychology in the XIII and XIX Century. Analyzes the Physiological Systems of the XX Century. Prerequisite: PS0113

PS0224 DEVELOPMENTAL PSYCHOLOGY II – SECOND CHILDHOOD

It defines the characteristics of development during late childhood between 6 to 12 years regarding social areas: emotional, cognitive, language, physical, sexual and moral. It values the approaches of different theories regarding human development and systematizes information from a child and determines if the development is within expectations or not. Prerequisite: PS0113, PS0214

PS0413 PERSONALITY PSYCHOLOGY

The course provides a historical perspective, comprehensive and updated information on the concept of personality, components, characteristics and classification. It recognizes the connotations that have given the concept of personality in order to differentiate each of them. Prerequisites: PS0113, PS0214

PS0514 PSYCONEUROLOGY I

The course helps students to be able to recognize, analyze and describe the various neurological aspects involved in human behavior as different neurological syndromes, neurological basis of anxiety, mental function, impaired consciousness and infections of the central nervous system. Prerequisites: PS0113, PS0312, PS0214.

PS0612 SOCIAL PSYCHOLOGY

The course includes a tool that allows analyzing how the environment and others affect the individual as the subject changes in the environment, and others. It analyzes epistemological approaches of social psychology. It applies to Social Psychology in the various situations of interaction. Prerequisite: PS0113

LM0122 ENGLISH II

The main goal of this course is for students to develop the ability to use grammatical structures correctly in order to participate and understand every day conversation as well as those related to the health field, to enhance their ability to read English with understanding, to convey ideas in writing and to listen and respond actively.

THIRD TERM

PS0233 GENERAL PSYCHOLOGY III

The student will have knowledge of psychopathology: its classification, environmental and

personal variables that favor its approach from different perspectives. Students must manage psychopathology from an integrationist perspective (physiological, psychological and social) and know the related terminology. Prerequisite: PS0124.

PS0713 ADOLESCENCE PSYCHOLOGY

The course analyzes the bio psychosocial processes that characterize and promote the development of the human being during adolescence. The student matches the risk and protective factors that affect the process of identifying development in adolescence, analyzes theoretical and practical elements that enable an understanding of the adolescent process. Acquires an overview of the characteristics of the adolescent period with its processes of change during this period of the life cycle of humans, and the impact it has in the process of adolescence. Prerequisite: PS0224.

PS0813 RESEARCH I

The main purpose of the course is to bring students the major theoretical and methodological foundations of psychological research, from a space of continuous reflection and critical analysis of the processes of scientific research and mental health topics. It identifies the importance of scientific research within the discipline, and recognizes the development stages and tools used as support. Prerequisite: PS0124.

PS0913 PSYCHOLOGY OF LEARNING

It intends that the student is able to explain the main learning mechanisms involved in the development of behavior. It defines the concept of learning from different approaches, analyzes the influence of evolution, describes the mechanisms of classical conditioning and theories, describes the mechanisms of operant conditioning and introduces studies and cognitive theories of learning. Prerequisites: PS0124, PS0224.

PS0524 PSYCONEUROLOGY II

The student will be able to recognize, analyze and describe the relationship between the neurological processes of the Central Nervous System, its functioning and human behavior. It describes the psycho-neurological basis of emotions, identifies the main functional units of the Central Nervous System and recognizes the brain lobes and their functions. Prerequisite: PS0514.

PS1012 INTERPERSONAL COMMUNICATION

The objective is to acquire interpersonal communication skills to enable the student to achieve assertiveness, more effective communication in personal performance and in their future professional activity. The course provides basic knowledge related to different aspects and implications of Human Communication. In addition, it recognizes the basic concepts of human communication, applied communication skills in performing everyday activities, values the

importance of the pragmatic effects and pathologies of communication, assertive communication known and social skills as forms of communication, recognizes the importance of different types of human communication and research and apply theories of human communication.

Prerequisite: PS0124.

FOURTH TERM

PS1113 PSYCHOLOGY OF MOTIVATION

The course studies the theory of motivation, ITS biological basis of different schools of psychological thought and its application in Educational, Clinical and Organizational Psychology, among others. It distinguishes the various definitions of motivation, identifies the theoretical basis of motivation in educational, clinical, organizational psychology, and other.

Prerequisites: PS0233, PS0813.

PS1213 GROUP THEORY

A general objective of the course is to introduce students to the knowledge of the theoretical framework around the groups. As a result of the adoption of this course the student will be able to identify the psychosocial principles that govern the context of groups, distinguishing the most relevant theoretical approaches, within the psychological discipline, explain the different psychological processes involved in the group dynamics. (Leadership, conflicts, alliances, roles etc.), identify various theoretical and practical strategies in the group approach and value the importance of the group as a condition and result of the interaction.

Prerequisites: PS0233, PS0413

PS0823 RESEARCH II

Studies some theoretical and methodological components of psychometrics, values the importance of statistics in behavioral research, applies descriptive statistical procedures and provides students with the tools to build an object of study, through the stages of questionnaire design, data collection, processing and analysis of results. Prerequisite: PS0813

PS1313 PSYCHOLOGY OF THE ADULT AND SENIOR

Introduces the student knowledge and experience concerning the psychology of life cycle and the process of aging and old age, it allows review and analysis of the various psychosocial development of human aging and enables understanding of the transition from adulthood to old age. It also identifies the stages of adulthood and elderly for understanding the characteristics, changes and needs on an emotional, cognitive, social and physical level.

Prerequisites: PS0233-PS0524.

PS1414 BEHAVIOR MODIFICATION I

Trains students in the application of the theoretical and practical of behavior therapy, explains the theoretical and philosophical that sustain behavior modification, identifies the basic, specific elements to the different behavior modification techniques, and applies the theoretical

concepts studied in class through roleplaying and scheduled practices. Prerequisites: PS0233-PS0913.

FIFTH TERM

PS1514 PSYCHOPATHOLOGY I

Identifies the conceptualization of the term psychopathology in a historical and theoretical course in the field of clinical psychology, identifies the conceptual categories related to the term psychopathology and introduces students to the clinical study of mental disorders stipulated. Prerequisites: PS1313, PS0233, PS0224, PS0713, PS0524.

PS0833 RESEARCH III

This course introduces students to inferential techniques used in scientific research in psychology and applies inferential research procedures in the field. It uses qualitative research techniques: observation, ethnographic analysis, content analysis and life history. This course studies bi-variate inferential statistics, uni-variate inferential statistics, and rehearses the inferential and multivariate statistical research develops a hypothetical-deductive. Prerequisite: PS0823.

PS1424 BEHAVIOR MODIFICATION II

Enables students to implement the theoretical and practical cognitive-behavioral therapy to resolve psychological problems, explains the basic elements and specific techniques, applies the techniques of behavior modification and exposes the knowledge acquired through conducting research on behavior modification. Prerequisite: PS1414.

PS1613 PSYCHODIAGNOSIS I

Applies the complete psychological interview in clinical patient assessment, facilitates the management of theoretical and practical concepts in the process of psychological diagnosis, identifies methods, techniques and psychological components of the interview and recognizes the psychological interview in the mental status examination as psych diagnostic instruments. Prerequisites: PS0524, PS0813, PS1313.

PS1713 EDUCATIONAL PSYCHOLOGY I

Strengthens the training process from psychology, in terms of different processes and issues associated with teaching-learning process, within the scope of formal education, recognizes theoretical concepts necessary for understanding the teaching-learning process and characterizes the physical, social and emotional educational institution. Prerequisites: PS0233, PS0913, PS0524.

SIXTH TERM

PS1524 PSYCHOPATHOLOGY II

Establishes differential diagnoses from a bio psychosocial perspective in patients with mental

disorders and reviews some key components of the psychic structure of human beings, comprising the processes of formation of personality and human identity. Prerequisite: PS1514

PS1624 PSYCHODIAGNOSIS II

This class develops skills for critical analysis and proper use of objective psychological tests as part of the psych diagnostic process. The student can explain elements of the use and selection of psychological tests in the process, analyze relevant issues regarding the development, standardization and psychometric properties of objective psychological tests, and run the administration of objective psychological tests used for evaluation of cognitive. Prerequisite: PS1613.

PS1723 EDUCATIONAL PSYCHOLOGY II

Strengthens the process of professional training from educational psychology, as to the different problems and processes associated with teaching-learning process, within the scope of formal education and its evaluation of the difficulties. This course characterizes the role of educational psychologists in the assessment process and trains students in the use of tests, psychological tests and rating scales specific for a psycho-educational diagnostic performance. Prerequisite: PS1713

PS1813 PSYCHOTHERAPY SYSTEMS I

In this course, the student will know the major psychotherapeutic approaches as strategies and techniques. Scenarios applied to the principal concepts, principles and techniques of psychotherapy. It identifies psychotherapeutic approaches, principles and techniques. Prerequisites: PS0224, PS0713, PS1012, PS1313.

PS1913 COMMUNITY PSYCHOLOGY

This course provides tools and skills to go into the field with current knowledge community and technical competence for the effective development of social projects. Analyzes phenomena with community character of the theoretical and methodological concepts of community psychology. It also values new action fields and their relationship to other professions with which it could work as interdisciplinary. Prerequisites: PS0413, PS0233, PS1012, PS1213.

SEVENTH TERM

PS1534 PSYCHOPATHOLOGY III

This course lets the student know the general profile of sociopathic and psychopathic structures and some etiological factors of gender identity disorders. Recognize the manifestations of human sexual behavior and its relation to the criteria of normality and abnormality statistics, and also identifies the symptoms of paraphilic individuals. Prerequisite: PS1524

PS1634 PSYCHODIAGNOSIS III

It provides training in the theoretical approach and in the administration, scoring and interpretation of some additional clinical scales of subjective tests to contemplate on the course. It recognizes the role of subjective tests in the process of personality assessment, and understands the theoretical foundations of the tests studied. Prerequisite: PS1624

PS1823 PSYCHOTHERAPY SYSTEMS II

This course teaches the students the major psychotherapeutic approaches and corresponding strategies and techniques in the management of children, adolescents, couples and families. It applies scenarios to be presented to the major concepts, principles and techniques of psychotherapy and identifies the major psychotherapeutic approaches and their corresponding principles and techniques in managing children, couples and families. Prerequisite: PS1813

PS2014 ORGANIZATIONAL PSYCHOLOGY I

This class introduces students to the study of human behavior and the intervention in the field of organizations. It studies the origin of Psychology and analyzes the role of the organizational psychologist and the interference in management functions (HR). The student will know the role of psychologists in organizational behavior analysis of a company or institution and the role of organizational changes and crisis. Prerequisites: PS0233, PS1213.

PS2112 PSYCHOLOGY ETHICS SEMINAR

This course's main objective is to know the current Costa Rican law, and to assess the role of psychologists and standards of behavior, ethical and professional. As a result of approval of this course, the students will have the ability to expose the scope of the Costa Rican law, safeguard the position of the psychologist and the profession, recognizing the ethical behavior of their role as psychologists, to shape their career planning. Prerequisite: Sixth Term completed.

EIGHTH TERM

PS1834 SYSTEMS OF PSYCHOTHERAPY III

In this course, the students discuss various crisis situations using appropriate psychotherapeutic interventions for each case. It identifies the symptoms of the different stages that a patient is going through. It values patients who are going through a crisis situation and applies therapeutic interventions required for various traumatic or critical situations. Prerequisite: PS1823.

PS2024 ORGANIZATIONAL PSYCHOLOGY II

It introduces students to knowledge pertaining to the practice in organizations, analyzes the elements that make up organizational changes and their importance for developing competitive and innovative organizations. It studies the role of learning in the development of learning

organizations and components of motivation. It defines labor productivity, occupational health elements and variables of job stress. Prerequisite: PS2014.

PS2219 PRACTICE EVALUATION PSYCHODIAGNOSTIC

It applies knowledge related to the psychological tests and integrates the results into a psych diagnostic report. It sets the basic concepts for psych diagnostic assessment. It reviews the knowledge on psychological tests, develops the student's ability to choose a battery test and reinforces knowledge to the results of psychological tests applied to the complex psychological reporting. Prerequisite: Seventh Term completed.

LICENCIATE DEGREE

NINTH TERM

PS1914 CONTEMPORARY THEMES ON FORENSIC PSYCHOLOGY

This course contributes to the formation through the critical understanding of theoretical and methodological tools that foster practical and updated approach to the role of psychologists in fields of the Criminal Justice System. Evaluates strategies including psychological assessment, discusses practical strategies detention, classification and intervention with criminal populations. Prerequisite: Eighth Term completed.

PS5914 NEUROPSYCHOLOGICAL THEORY

Approaching the study of neuropsychological theory and the functions and underlying etiologies that have greater relevance, to discuss the applications of this theory and the current state of research.

The objective is to discuss the current state of research in neuropsychology, analyze the main applications of the theory and research to the practice of psychology, analyze the main cognitive functions in the present, analyze the main causes at present, with neuropsychological component, either in the field of children, adults and the elderly, learning to select studies of serious scientists, and investigate existing rehabilitation fields in each condition.

Prerequisite: Eighth Term completed.

PS3914 PSYCHOLOGY PRACTICE IN HOSPITALS ENVIROMENTS

Students have supervised practice in the clinical field, reinforcing theoretical knowledge of interview and psychological assessment and providing the opportunity for supervised practice to develop their skills in the field of psychotherapy. Prerequisite: Eighth Term completed.

PS2914 ADVANCED SEMINAR ON PSYCHOLOGICAL RESEARCH

The course examines some major theoretical and methodological components of psychometrics, and recognizes the theoretical and ethical construction of tests. Applies the

concept of validity in the psychometric instruments and implements multivariate data analysis. Prerequisite: Eighth Term completed.

PS2920 GRADUATION SEMINAR I

Designs and executes a program and an intervention protocol that allows implementing the knowledge acquired throughout the academic and professional. Defines and justifies the issue, the problem and the objectives of the proposal, identifies historical, and academic institutions to develop the theme. Builds a methodological proposal that describes the population, the variables and categories of analysis, the implementation phases and the proposed intervention. Prerequisite: Eighth Term completed.

TENTH TERM

PS8014 HEALTH PSYCHOLOGY

The course provides students with the knowledge and psychological strategies necessary for the development of prevention programs, treatment and factors related to physical illness from the perspective of health psychology. It studies the theoretical underpinning Health Psychology and Behavioral Medicine, describes the various behavioral factors related to health and disease, and describes major psychological and behavioral factors associated with Cancer, cardiovascular disease, diabetes and AIDS. Prerequisite: Ninth Term Completed.

PS2034 ADVANCED SEMINAR ON ORGANIZATIONAL PSYCHOLOGY

Under modern practices used in Psychology, it checks its global concept and generational change, its impact on organizations, concepts of retention, attraction and talent development, analyzing the concepts of organizational empowerment and strategic planning within the field of psychology performance. Prerequisite: Ninth Term Completed.

PS6014 APPLIED SOCIAL PSYCHOLOGY

It introduces students to the different areas of application Social Psychology, with emphasis on gender issues and domestic violence. It gives the knowledge, skills, abilities and attitudes for understanding the problem of violence and sexual abuse. Prerequisite: Ninth Term Completed

PS7014 PSYCHOEDUCATIONAL PRACTICE

It explains the role of the Educational Psychologist and intervenes in accordance with it, analyzes different paradigms that allow us to understand human learning, and determines practical tools that enable development of a diagnostic and intervention plans and psycho educational needs. Prerequisite: Ninth Term Completed

PS2040 GRADUATION SEMINAR II

It designs and executes a program and an intervention protocol that allows implementing the knowledge acquired throughout the academic and professional, defines and justifies the issue,

the problem and the objectives of the proposal, identifies historical and academic institutions to develop the theme. Builds a methodological proposal that describes the population, the variables and categories of analysis, the implementation phases and the proposed intervention. Prerequisite: Eighth Term completed.

MASTERS IN CLINICAL PSYCHOLOGY

FIRST TERM

MP0113 BEHAVIORAL MEDICINE

This course aims to study the techniques and procedures used from the behavioral medicine and its application in the prevention, maintenance and restoration of health. As a result of this course, the student will be able to name the major application areas of behavioral medicine, recognizing the different strategies for assessment and intervention in various medical conditions, plan intervention programs from the viewpoint of behavioral medicine and mention relevant aspects of recent scientific research on chronic diseases.

MP0212 PSYCHOPATHOLOGY OF THE ADULT

The main objectives of this course are to submit to discussion and analysis of major mental disorders known in the context of clinical care and know their legal implications. Within the specific objectives that students become familiar with the use of the interview, the mental examination and classification of mental illness. Students can make differential diagnosis; to know the different forms of intervention used for treatment of psychopathology studied. They will become familiar with the comprehensive approach, in the case study in formulating diagnostic and are able to recognize the laws associated with each condition. Prerequisite: Bachelor of Psychology.

MP0313 PSYCHOTHERAPY ADVANCED SEMINAR

This course introduces students to the broad field of psychotherapy, and focusing on various approaches to treatment. It meets the historical process of psychotherapy and psychotherapy, defines and identifies the principles and objectives of the different approaches, explores into the issues inherent in the patient-therapist. Studies the basic theoretical principles of various approaches.

MP0412 ADVANCED PSYCHODIAGNOSTIC SEMINAR

The course refines Knowledge and Increases the level of Psychological tests to form a battery of Psychological Tests to Provide a Comprehensive Understanding of people and the formulation of assessed specify diagnostic criteria. Understand the rationale and usefulness of the Psychological report. Among the objectives are to describe the technical and theoretical aspects of psychological testing, applying and qualifying tests in compliance with the technical recommendations.

MP0513 PSYCHOPATHOLOGY OF THE CHILD AND ADOLESCENT

One goal of the course is characterized as defining psychopathology and general aspects of diagnosis in the child population, meet the different psychological disorders that the child population may experience and the identification of key diagnostic criteria, see the different

treatments for each disease entity, familiar with the evolutionary design of different disease entities in children and adolescents.

Some of the specific objectives is the application of the basics of emotional, cognitive and motor child and adolescent psychopathology are to know the prevalence of different and frequent disease entities in our area and know the differential diagnosis for each diagnostic entity.

MP0612 RORSCHACH SEMINAR

This course manages codes and meets the elements for the interpretation of the Rorschach test, performs calculations, derivations and proportions of the structural summary, makes the interpretation of Rorschach test protocols as the elements adopted by the comprehensive method of Exner. The main objective of this course is to learn the correct administration and scoring of the administered protocol of the Rorschach Test. To learn the major criteria and formulas that it requires, according the Exner's Comprehensive method for scoring the Rorschach.

SECOND TERM

MP0713 THERAPY OF THE CHILD AND ADOLESCENT

The purpose of this course is to review the psychotherapeutic techniques that can be applied in children and adolescents, to know the techniques used in therapy of children and adolescents by age, learn the techniques recommended by holistic diagnosis and the basics of therapy of children and adolescents.

Among the specific objectives, students will apply basic concepts of child and adolescent therapy as cognitive emotional development, know different therapy techniques according to the environmental situation and know the importance of group therapy in children and adolescents.

MP0812 PSYCHOTHERAPY OF THE FAMILY AND COUPLE

The aim is to introduce students to the field of psychotherapeutic intervention at family and couple from a cognitive behavioral perspective for the student to describe the major contemporary models of family intervention, explain the cognitive-behavioral intervention in family and partner, whether a family or couple counseling requires effective strategies for changing patterns. It analyzes how effective is the process of changing family or partner through the intervention process.

MP0912 CASE PRESENTATION AND DYNAMIC FORMULATION I

Learn to make a dynamic formulation; this is a dynamic diagnosis, explicitly integrating information to enable a better understanding of the patient and the psychological problems, and to guide the planning of psychotherapeutic intervention. This class identifies experiences, situations or problems related to patient complaints. Integrates relevant information; this is to integrate the information obtained about the experiences of the formative years of the person, recurring patterns of interaction, information obtained from psychological tests, and the way that the selective formulation integrates all relevant aspects that explain the patient's problem. Prerequisites: MP0212, MP0313, MP0712.

MP1016 CLINICAL AND HOSPITAL PRACTICE I

The course offers a properly supervised hospital clinical practice, helps students perform their clinical skills, to use their knowledge, and to behave professionally and ethically. Among the objectives of the course is to rotate through different units and / or clinical psychology services, which also coordinate rotations by psychiatric services and medicine, involve in interconsultation medical services in general hospitals, based on the psychiatry service, cooperates with the health teams of the different services in both general hospitals and in psychiatric facilities, making psych diagnostic assessments, including mental examination and administration, rating, and interpretation of psychological tests (with patients of different age groups), interventions in crisis, offering psychological treatment to adults and seniors, offering psychological treatment to children and adolescents, community action plans and conducts preventive purposes in the area of attraction of the institution which is rotating, plans and conducts research on clinical or epidemiological cases.

MP1112 CLINICAL AND EPIDEMIOLOGICAL RESEARCH METHODS

The course discusses strategies and models of psychometric and psyches diagnostic evaluation from a scientific perspective. It develops the skills to critically analyze the psychometric properties of psychological tests used in the field of clinical psychology in our country. Within the content is the Psychological Assessment process: collection, interpretation and use of information and structured diagnostic interviews, psychological testing and evaluation, historical and cultural considerations, the concept of reliability, validity, assessment of intelligence, among others.

MP1212 CRISIS INTERVENTION

The overall objective of the course is to address the theoretical, conceptual and methodological crisis intervention.

As a result of this course, the student should be able to know the different situations that generate crisis, both individually and en masse (kidnapping, bereavement, natural or man-made disasters, mainly suicide), train the students with the tool of psychological first aid (PAP) or help of first instance, identify students with crisis intervention on appeal, specifically the multimodal therapy approach to the crisis and the Behavioral assessment-Somatic-Affective-Cognitive-Interpersonal model (CASIC), current knowledge and methodology of telephone intervention and identify students with the importance of self-care staff working with people in crisis situations, and in this case, in the field of mental health. Prerequisite: MP0212, MP0513.

THIRD TERM

MP1026 HOSPITAL CLINICAL PRACTICE II

The professional must have clinical and interpersonal skills, knowledge and attitudes that enable him to assume different roles in a flexible, highly technical and appropriate way, depending on the needs of the different situations in which he may participate. These roles include in practice: (a) psychological treatments in its various forms, including: individual, group, couple and family psychotherapy, with different age groups (children, adolescents, adults, seniors), (b) psych diagnostic assessments also with people belonging to different age groups of children and adults, (c) clinical and epidemiological research, (e) participate in educational and administrative activities, among others.

MP1313 GROUP PSYCHOTHERAPY

The course provides students with the basic tools of theoretical, practical and experiential management and group therapy modalities. Among the specific objectives is to make a short tour in the history of group therapy, review the ethical principles and qualities that must be present in the therapist and group management, know the basic principles of group therapy, review some of the theoretical approaches to group therapy, participate in a group experience (voluntary) and observe a therapeutic group, for an analysis of the group process.

MP1413 PSYCHONEUROLOGICAL TESTS

The course teaches students the basics of neuropsychology assessment, in order to achieve the basis skills needed for the interviewing as well as the administration, scoring, getting the correct interpretation of the set of selected neuropsychological tests, integrating them into a comprehensive neuropsychological report. It teaches the theoretical foundations of the tests studied, trains students in the administration and scoring of the validated tests. Identifies the basis for the interpretation of test results learned, taught to integrate the results of the tests in a neuropsychological report. Prerequisite: MP0412

MP0922 CASE PRESENTATION AND DYNAMIC FORMULATION II

Learn to make a dynamic formulation; this is a dynamic diagnosis, explicitly integrating information to enable a better understanding of the patient and the psychological problems, and to guide the planning of psychotherapeutic intervention. This class identifies experiences, situations or problems related to patient complaints. Integrates relevant information; this is to integrate the information obtained about the experiences of the formative years of the person, recurring patterns of interaction, information obtained from psychological tests, and the way that the formulation selectively integrates all relevant aspects that explain the patient's problem. Prerequisites: MP0912, MP0313.

MP1512 PSYCHOPHARMACOLOGY FOR PSYCHOLOGISTS

Psychopharmacology is part of the address of the individual with mental disorders, and it is essential to the clinical psychologist to have knowledge of the scientific evidence of drug treatment and its impact on disease progression. It allows students to have basic knowledge of neurotransmission as biological theory of mental disorders and thus to understand the mechanisms of action and side effects of psychoactive drugs. Prerequisite: MP0212.

FOURTH TERM

MP1036 CLINICAL AND HOSPITAL PRACTICE III

The professional must have clinical and interpersonal skills, knowledge and attitudes that enable him to assume in a flexible, highly technical and appropriate way, different roles depending on the needs of the different situations in which he participates. This practice must be supervised during the last three quarters, possibly rotating through different hospitals and different services. The minimum time to spend in this clinical practice is 3 hours per day, they should not limit their practice to the minimum hours to help students exercise their clinical skills, to use their knowledge and behave in a professional and ethical manner.

MP1612 CONTEMPORARY THEMES IN CLINICAL PSYCHOLOGY

Professionals in clinical psychology must have extensive knowledge in the field of psychology, that allows them to have broader parameters and complete information on which to conduct analyzes appraisals, surveys and interventions of high quality.

The Rorschach test is one of the most important tools for this purpose, providing an understanding of the person as unique. At the end of the seminar, the students will be able to perform calculations, derivations and proportions of the Structural Summary and make the interpretation of Rorschach Test Protocols as items adopted by the Exner Comprehensive Method.

MP0932 CASE PRESENTATION AND DYNAMIC FORMULATION III

Students learn to make a dynamic formulation; this is a dynamic diagnosis, explicitly integrating information to enable a better understanding of the patient and the psychological problems, and to guide the planning of psychotherapeutic intervention. It identifies experiences, situations or problems related to patient complaints. Integrates relevant information; this is to integrate the information obtained about the experiences of the formative years of the person, recurring patterns of interaction, information obtained from psychological tests, and the way that the formulation selectively integrates all relevant aspects that explain the patient's problem. Prerequisites: Third Term completed.

MP1712 COMMUNITY CLINIC PROJECT

The psychology of community goes beyond community mental health and in fact represents a mix of mental health, behavioral science, social psychology, sociology and other disciplines.

One goal of this course is to give the student an opportunity to identify and meet the daily problems of the community, from the perspective of members and provide opportunity for the student to have the experience of doing a community project.

MP1812 SEMINAR ON PSYCHOLOGY AND SOCIETY

The course introduces the student knowledge and experience concerning older people and their realities. Among the objectives, the students will be able to call the historical and current challenges of psychology of aging in their own words, explain the various individual processes in aging and the impact of the environment, and the key elements used in the evaluation and treatment of various mental problems. Identify the importance of designing and implementing prevention strategies, propose solutions to problems related to aging and indicate the phenomena and processes of aging that are geared to the understanding of epidemiology in old age.

MASTERS DEGREE IN FORENSIC PSYCHOLOGY

FIRST TERM

MF0113 PSYCHOPATHOLOGY OF THE CHILD AND ADOLESCENT

One goal of the course is to define psychopathology and general aspects of diagnosis in the child population, meet the different psychological disorders that the child population may experience and the identification of key diagnostic criteria, see the different treatments for each disease entity, familiar with the evolutionary design of different disease entities in children and adolescents.

Some of the specific objectives are the application of basics of emotional, cognitive and motor Child and Adolescent Psychopathology, and to know the prevalence of different disease entities frequently in our area and know the differential diagnosis for each entity diagnostic.

MF0212 PSYCHOPATHOLOGY OF THE ADULT

The main objectives of this course are submitting to discussion and analysis the major mental disorders known in the context of clinical care and know their legal implications. Within the specific objectives are that students become familiar with the use of the interview, and the mental examination and classification of mental illness, to conduct case studies, students can make differential diagnosis; to know the different forms of intervention used for treatment of psychopathology studied. They are familiar with the comprehensive approach, in the case study in formulating diagnostic and are able to recognize the laws associated with each condition. Prerequisite: Bachelor of Psychology.

MF0312 ADVANCED SEMINAR OF PSYCHODIAGNOSIS

The course refines knowledge and increases the level of psychological tests to form a battery of psychological tests to provide a comprehensive understanding of the persons and the formulation of assessed, specify diagnostic criteria. Understands the rationale and usefulness of the psychological report. Among the objectives are to describe the technical and theoretical aspects of psychological testing, Applying and qualifying tests in compliance with the technical recommendations, analyze and interpret test results in a comprehensive, writing, respecting the same psychological technical report.

MF113 PSYCHOLOGY AND LAW

The course goals to provide basic knowledge about the relationship between law and psychology to enable better analysis and interpretation of the phenomenon of crime, provides technical expertise enabling legal and jurisprudential subjects; identifies the constituent elements of the offenses established in penal code, recognizing the fields of interaction between the psychologist and the law, analyzes the phenomenon of impunity and its impact on the various stages of the criminal process and analyzes forensic real cases, in order to familiarize students with both legal and technical aspects.

MF0413 PSYCHOLOGY OF CRIMINAL CONDUCT

The course objective is to provide theoretical and methodological elements to assess criminal behavior from a scientific and current perspective, critically discuss practical strategies of detention, evaluation, classification and intervention with individual criminal populations, understand and evaluate technical tools to support forensic psychology that has been built and validated with Costa Rican populations.

MF2112 CRIMINOLOGICAL THEORY AND FORENSIC PSYCHOLOGY

The course objective is to study the role of forensic psychology within the broad field of criminology, examine the object of study of criminology as an empirical, interdisciplinary science, critically evaluate the historical evolution of Western criminological thought, based on the development of different theoretical perspectives and analyze the contributions of psychology in the field of criminology.

SECOND TERM

MF0523 PSYCHONEUROLOGICAL TESTS

Among the objectives of the course are to achieve the necessary skills to implement the classification, interpretation and integration of a series of neuropsychological tests, approach the study of neuropsychological theory, teach the theoretical foundations, the classification and application of the tests studied, teach the interpretation of test results and encourage testing supervisions and comprehensive analysis of them.

MF0622 RORSCHACH SEMINAR

This course manages codes and meets the elements for the interpretation of the Rorschach Test, performs calculations, derivations and proportions of the structural summary, makes the interpretation of Rorschach test protocols as the elements adopted by the comprehensive method of Exner.

MF2223 FORENSIC PSYCHOLOGY AND EXPERTISE IN CRIMINAL AREA

The course will provide the necessary knowledge and skills to development psychological assessment in criminal forensics, review the development of psychology in the field of forensic examination in our country, know the participation of forensic clinical experts in Costa Rican criminal processes, develop skills in conducting psychological evaluations in the field of forensic expertise and analyze the ethical and professional practice that involves the field of forensic expertise

MF2323 EVALUATION AND TREATMENT OF SEX OFFENDERS VICTIMS

The course discusses psychological intervention strategies in the field of sexual offense with both victims and offenders, analyzed from a critical perspective of different approaches or models that account for sexual violence in general and sexual offenders in particular. Evaluates practical tools for the detention, treatment and evaluation of sex offenders. Provides students with theoretical and practical knowledge of the different strategies and models for diagnostic evaluation and treatment of victims of sexual violence.

MF2422 FORENSIC ASSESSMENT OF PSYCHOLOGICAL TRAUMA

The course provides students with a conceptual framework that lets you develop and optimize the intervention, evaluation and treatment of psychological trauma in the forensics field, from a scientific perspective, provides knowledge about different degrees of traumatic experience and the effects of this emerge on a psychological level, provides theoretical and practical information for both cases of trauma and acute, abrupt consequences, as in cases of chronic events, their consequences on PTSD and other dissociative experiences. It also studies some instruments used internationally in the assessment of psychological trauma, and evaluate treatment options according to the type of ordeal experienced by the subject.

MF1125 INSTITUTIONAL PRACTICE I: PRISON SYSTEM

Provides a forum for theoretical and practical integration that allows students to apply different strategies to prison context and forensic psychological models, while making a practical contribution to the institution responsible for the administration of custodial sentences, develops skills and abilities in managing groups of prisoners from the therapeutic workshops inside the prison on various topics of interest according to care plans established in the

institution, applies forensic psychological evaluation models with population located at some level of care of the National Penitentiary System, according to the different requirements that are set out in the legislation governing the execution of the judgment, encourages the development of skills and abilities in the use of models and techniques applied in the field of criminal psychology.

THIRD TERM

MF2533 FAMILY PSYCHOLOGY I: DIVISION: PATERNITY CUSTODY

Provides the necessary knowledge, skills development and level of forensic psychological assessment in the area of family, discusses the different tasks carried out by the forensic psychologist expert on family, develops skills and abilities in conducting psychological assessments in the forensic clinical area, knows the technical and legal aspects involved in the psychological expertise in the area of family.

MF2632 RESEARCH METHODS IN EPIDEMIOLOGICAL CLINICAL PSYCHOLOGY

Disputes other types of research being conducted in clinical psychology, a critical analysis of the research in clinical psychology, explains the method of epidemiological research in clinical psychology and research design in the field of clinical psychology.

MF2733 EVALUATION AND TREATMENT OF JUVENILE OFFENDERS

Analyzes different explanatory models about juvenile delinquency and its various manifestations in our country, and the work of the psychologist in this issue, discusses the psychosocial factors associated with the etiology, assessment, classification and treatment of juvenile offenders, provides the legal elements fundamental to understanding the juvenile justice system in our country and studies different psychological intervention strategies in the field of juvenile justice system, and the role of the psychologist

MF2832 SUBSTANCE ABUSE AND CRIMINAL CONDUCT

Knows the relationship between substance use and criminal behavior from a conceptual perspective, reviews the scientific literature on the role that substance abuse plays in criminal behavior, studies the various programs of care for drug and alcohol abuse in the country and especially the links to enter these and the justice system.

MF1235 INSTITUTIONAL PRACTICE II: PUBLIC SECURITY

Offers an integration theory and practice that allows the student to apply the administrative law enforcement, in the context of various strategies and forensic psychological models, while making a practical contribution to the police. The student is familiar with the special, psychological problems at administrative level, that the police faces our country, from a critical perspective. Develops skills and abilities in the assessment, diagnosis and treatment of police personnel, whether in groups or individually and implements strategies applied research to enable the development and implementation of care programs, according to the priority needs of the population.

FOURTH TERM

MF0742 CRISIS INTERVENTION

The student handles emotional crises with effective psychotherapy from a cognitive – behavioral approach. The student is able to use the emotional crisis as an opportunity for personal growth for the client and not as a growth opportunity staff to the client, neither as a period filled with anxiety and tension.

MF2943 FAMILY PSYCHOLOGY II: DOMESTIC VIOLENCE

Provides the necessary knowledge and skills for forensic psychological assessment in the field of domestic violence. Knows the main theoretical approaches to explain the phenomenon of domestic violence, determines the main points of contact between psychology and violence, awakes by theoretical and critical analysis of domestic violence from a gender perspective, and methodological strategies in the assessment and intervention with victims of violence, provides training in the psychological construction of clinical forensic expertise in the area of violence and reviews legislation regarding the ongoing violence.

MF2042 POLICE PSYCHOLOGY SEMINAR

It promotes critical discussion about the role of forensic psychology in police issues. Analyzes different models and intervention strategies and their applicability in the area. Studies the role of psychologists in the country's police agencies, reviews the psychological models developed with police populations and discusses counseling strategies at different levels.

MF2142 PRISON PSYCHOLOGY SEMINAR

Studies prison as a total institution and its historical development, analyzes the historical development of the Costa Rican prison system, assesses the contributions of psychology in the field of the prison, and the role of the psychologist in the current prison context.

MF1345 INSTITUTION PRACTICE III: JUDICIARY

This class provides an integration theory and practice that allows the student to apply different strategies to the judicial context models while making a practical contribution to the judicial system of our country at different levels. Helps the student to become familiar with the techniques and psychological assessment procedures in the forensic field and implements the models learned. Develops skills in assessment, diagnosis and treatment of criminal investigation.

Implements applied research strategies that enable the development and implementation of psychological intervention lines and specific attention.