



## Associate Degree in Surgical Technology

### Program Description:

The Associate Degree in Surgical Technology program prepares the student with the training principles to assist surgeons, supplying them with the necessary instruments during surgery. Upon completion of their studies, the student will be able to work in any public or private hospital, in care centers and in medical offices where outpatient surgeries are performed, among other interventions. In addition, training in surgical technology allows them to work in areas of supplies and sterile materials.

### Program Objectives:

Students in the Associate Degree in Surgical Technology program will:

- Demonstrate understanding of the services provided by the surgical team in relation to restoring the patient's health.
- Maintain accountability for their actions to ensure compliance with ethical and legal standards.
- Respect the patient's inherent right to privacy, dignity, and confidentiality.
- Perform preoperative, intraoperative, and postoperative planning including individualized preparation for each assigned surgical intervention.
- Communicate effectively using appropriate medical terminology in the preoperative setting.
- Demonstrate initiative in expanding knowledge of new surgical procedures and patient-related issues.
- Anticipate the surgeon efficiently and according to the needs of the surgical procedure.
- Organize surgical instrumentation and all necessary supplies for the surgical procedure.

### Curriculum:

#### General Education courses:

| Code      | Title   | Credits |
|-----------|---|---------|
| ESPA 3161 | Spanish I   | 3       |
| ESPA 3262 | Spanish II  | 3       |
| INGL 3161 | English I   | 3       |
| TECN 2121 | Technological advances and informatics for health professionals | 3       |
| PSIC 3301 | Principles of Psychology  | 3       |
| BIOL 3101 | Human Anatomy and Physiology                                    | 3       |
| BIOL 3102 | Lab. Human Anatomy and Physiology                               | 0       |
| BIOL 3301 | Microbiology  | 3       |
| BIOL 3302 | Lab. Microbiology   | 0       |
| MATE 3161 | Basic Math  | 3       |
| TEMD 2020 | Medical Terminology   | 3       |

|                                     |   |                |
|-------------------------------------|---|----------------|
| <b>LEMD 2011</b>                    | Legal and Ethical Aspects in Health           | <b>3</b>       |
| <b>Specialty Courses</b>            |   |                |
| <b>Code</b>                         | <b>Title</b>                                  | <b>Credits</b> |
| <b>SUTN 2221</b>                    | Introduction to the Surgical Field            | <b>3</b>       |
| <b>SUTN 2321</b>                    | Disinfection and Sterilization                | <b>4</b>       |
| <b>SUTN 2301</b>                    | Pharmacology for the Surgical Technician      | <b>4</b>       |
| <b>SUTN 2421</b>                    | Foundations of Anesthesia                     | <b>4</b>       |
| <b>SUTN 2422</b>                    | Foundations of the Operating Room             | <b>4</b>       |
| <b>SUTN 2423</b>                    | Surgical instrumentation and sterile supplies | <b>4</b>       |
| <b>SUTN 2541</b>                    | Practicum (720 hours)                         | <b>6</b>       |
| <b>Total of credits: 59 credits</b> |   |                |

- The student must present a high school diploma as a requirement and have a minimum average of 2.50.
- The student to pass the courses with a minimum grade of “C” (70%).
- All specialty courses have hours of clinical practice simultaneous to theory.
- The practical phase of the program is offered at the Auxilio Mutuo Hospital or in hospital and health care facilities that have prior agreement with the UPDCJBR.