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## Program of High Specialization in General Surgery At The Hashemite University

The degree of high specialization in general surgery is granted by the faculty of the high graduate studies in the Hashemite University after verifying that the student has successfully completed the training and academic requirements set forth in this program.

- 1. Admission and Registration in the program:** The acceptance of students in this program is in accordance with the instructions of the program of Certificate of High Specialization in medicine at the University.

### Features of the program

- 1. Duration of the program:** a minimum of five academic years to accomplish its requirements and a maximum total period of six years.
- 2. Supervising the program:** Department of General Surgery-Faculty of Medicine-The Hashemite University
- 3. Training places:** Faculty of medicine hospitals and affiliated hospitals

### 2. Program requirements:

Successfully ending the five-year training in different branches of general surgery, according to the systemic plans established by the department of general surgery for its different branches, academic activities and training.

these plans include:

- a. General surgery and the following subspecialties; gastrointestinal, hepatic and pancreatic surgery, oncology, endocrine surgery, colorectal surgery, anal surgery, vascular surgery, pediatric surgery, plastic and reconstructive surgery.



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- b. Special surgery: Urology, Orthopedic, Neurosurgery and Cardio thoracic surgery.
- c. Emergency and intensive care.

The length of each rotation is to be determined in accordance with internal instructions listed by the department of general surgery.

### **3. Goals of the program:**

**At the end of the program trainees should be able to:**

1. Absorb the assets of basic medical sciences in general surgery, specialized surgery, emergency and intensive care.
2. Gain basic clinical skills.
3. Reach a clinical diagnosis based on systematic and logical assets using necessary methods and procedures.
4. Create the most effective means in management.
5. Develop theoretical information and scientific experience by the abreast of latest scientific methods in place of the meetings, symposia and scientific periodicals.
6. Acquisition and application of medical skills, human qualities and professional ethics.
7. Mastering the decision-making process for the patient, personnel and other parties concerned.
8. Create a path established on good performance and credibility.
9. Mastering invasive effective general surgery techniques causing no harm.
10. To be up to date with the latest developments in the field of specialization, scientific research with continuous medical education.
11. To participate in at least one of the original published researches in a ranked recognized scientific journal.

### **4. Training tasks and academic physician trainee in general surgery are as follows:**

#### **4 - a. The first year: (12 hours):**



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The doctor under the supervision of the trainee and the senior resident, including the following:

- Patient care before and after surgical operations
- Identify the curriculum satisfactory manner the correct clinical
- Request laboratory tests and X-ray
- Assist in minor surgery and as determined by the department.
- A Course in Research Design and Biostatistics.

**4 – b. By the second year: (12 credit hours):**

A. General surgery (six months)

B. Special surgery (six months)

Under the supervision of the senior resident and / or the specialist in the section doctor Trainee should do the following activities:

- Minor surgery during rotations such as the eradication of excess and the opening of abscesses and the like.
- Assistance in the surgical sub-specialties and surgical emergency.
- Study of clinical research methods course (p.. P: 709) at the rate of three credit hours and the success rate of not less than 70%.
- A course in ethics and medical errors.

**4- c. third year: (12 credited hours):**

General and specialized surgery     (12 months)

trainee physician's responsibility increases with the beginning of the third year regarding the surgical operations difficulty and his/her role in these operations; as he/she:

- represents the first assistant role in the major operations
- participates in the teaching process of the medical students.
- takes a course in health policies.

**4- d. fourth year: (12 credited hours):**

Trainee physician's responsibility becomes more direct, as he/she:

- stands as a surgeon under the specialist's supervision



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- Participates in the teaching process of the medical students more thoroughly.
- Takes a course in medical education and evaluation.

**4- e. fifth year: (12 credited hours):**

trainee physician in this last year has the following clinical and practical responsibilities in general surgery:

- diagnosis of different surgical cases.
- determination of suitable laboratory tests.
- interpretation of different lab results and making the diagnosis.
- the ability to take the suitable surgical intervention.
- taking the leadership of his/her fellows in the first four years in general surgery residency program.

**5 - research and scientific activities:** during his/her training years, trainee physician should do the following:

- participates in scientific research project with one or more of the working specialists in the department.
- participates in publishing a scientific paper in a recognizable and accredited scientific magazine at least three months prior to the end of the fifth year.
- participates in all the scientific activities of the department according to the scheduled plan decided by the department in the beginning of each studying year.

**6 –vacancies and penalties:**

Are decided according to the rules of higher education certificate in medicine

**7 –** The higher education faculty council has the final word in all the problems that could come out as a result of applying this education plan.



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## 8 – Evaluation:

### 1. resident evaluation is done annually based on:

- a) the clinical performance.
- b) examinations as follows:
  - 1 – written exam
  - 2 – clinical exam in general surgery
  - 3 – oral exam in general surgery, surgical operations, and diseases.

### 2. scoring system:

- A) clinical performance evaluation ..... 20%
- B) other exams ..... 80%

distributed as follows :

- written exam       : 40%
- clinical exam       : 20%
- oral exam           : 20%

C) the minimum annual passing score is 70%