



In the Name of God

Islamic Republic of Iran
Ministry of Health and Medical Education
Deputy Ministry for Education

Trauma in General Surgery

Degree: Fellowship

Program Description

This course is a training program for general surgeons and its main goals are to improve knowledge, attitude, performance, and skills needed for providing comprehensive services for prevention, diagnosis, treatment and training in incidents, accident and emergency trauma and plays an important role in health care team in all cases that other related disciplines are required to participate. It is obvious that other team members will have their specific responsibilities and duties within the scope of their expertise. Duration of the course is 15 months with the aim of training knowledgeable and efficient workforce in order to provide services related to trauma to meet the needs of different regions of the country.

Language Requirements:

- Language requirements: Evidence of English Proficiency on the TOEFL or IELTS tests. The minimum score for TOEFL PBT, TOEFL iBT and IELTS is 533, 72 and 5.5 respectively.
- Applicants from Persian (Farsi) Speaking countries (They shall both speak and write in Persian) who have applied for graduate Degree-based programs may be exempted, based on the decision of the department, from submitting any certificates regarding their English Language Proficiency. Nevertheless, they are required to hand in their English language certificate which meets SUMS' minimal language proficiency requirements, within one year from commencing their studies at SUMS.

Admission Requirements:

- M.B.B.S./M.D. and specialty or equivalent certificates
- Certificate of Internship or Certificate of Practice

Expected Competencies at the End of the Program

General Competencies*

Specific Competencies and Skills

At the end of the program learners will be competent in the following skills:

- Inserting airway
- Establishing IV access
- Intra-osseous vascular infusion of femur and tibia in children
- Thoracostomy
- Cricothyroidotomy and tracheostomy
- Fast sonography
- Craniotomy and evacuation of extradural hematomas, subdural and intracerebral in emergency situations
- Fixation of cervical vertebrae
- External fixation of pelvic (pelvicband)
- Pericardiocentesis
- General surgery techniques
- Hemorrhage control
- Revascularization techniques
- Procedural skills
- Compartment syndrome surgery
- Fasciotomy
- Splinting
- Fixing urgent dislocations
- Placing traction in bone fractures
- Casting
- Intraoperative angiography
- Working with respirators and other critical care systems

Educational Strategies, Methods and Techniques*

Student Assessment (Methods and Types)

Methods

- Written exam
- DOPS
- Log book

Periods of assessment

- Continuously (with Log book, DOPS)
- End of the course

Ethical Considerations*

*Note: The related document(s) can be found at <http://hcmep.behdasht.gov.ir/>.

The overall structure of the course:

Subject	Training method	Duration (months)
General theoretical lessons	Workshops	During the course
Emergency department or trauma center	Practical work	11
ICU ward	Practical work-on duty	2
Burn center and burn clinic	Practical work-on duty	2

Important Notice:

The above features the curriculum of the Trauma in General Surgery Program designed and approved by the Iranian Ministry of Health and Medical Education. Given the fact that Shiraz University of Medical Sciences is constantly improving and updating itself to meet the international academic standards and the state of the art, and based on the availability of facilities, devices, ward, laboratories, etc. at SUMS, all the SUMS curricula are approximately 20% subject to change.