



In the Name of God

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

Ophthalmology

Degree: Specialty

Program Description (Introduction)

Due to dramatic developments in ophthalmology, revising and optimizing ophthalmology curriculum is now an absolute necessity. The first ophthalmology curriculum was written in 1999 which was compiled after several meetings by professionals and experts and was announced to universities for implementation in 2001. Now, after more than 10 years, this curriculum has been revised. After reviewing previous edition and considering recent scientific advances and changes and having in mind the future development in this field, as well as taking into account the National Scientific Development Plans (strategic document of year 1404 (2025) and the National Fifth Development Plan of the country), the committee offered the current curriculum.

Obviously, monitoring the correct implementation of the program is absolutely necessary. The curriculum compilation committee welcomes the opinions of the experts and will make use of them for revising the curriculum.

Definition of the Training Program:

Graduates of ophthalmology specialty program will be engaged in diagnosis, prevention, treatment, care and education of patients, as well as providing services to the society with their knowledge, skills and competence in educational, research and health services.

Course duration:

Duration of this educational course is at least 4 years.

Admission Requirements

- B.D.S./D.M.D./D.D.S or equivalent certificates for the applicants of Specialty
- Certificate of Internship or Certificate of Practice

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.

Specific Competencies and Skills

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

- Comprehensive examination of patients
- Refraction and retinoscopy
- External examination
- Slit lamp examination
- Tonometry (Different types)
- Gonioscopy
- Fundus examination (Direct and Indirect ophthalmoscopy)
- Diagnostic evaluation and work up for specific situations e.g. uveitis
- Reading and interpretation of different ophthalmology imaging
- Corneal topography and topographies
- A-scan, B-scan, UBM
- IOL-Master or Lenstar
- FAG, ICG
- V.F
- orbital CT-scan
- OCT anterior and posterior
- Ocular surface procedures
- Pterygium removal / conjunctival flap-graft
- SK ± AMT
- Corneal and conjunctival biopsy
- Oculoplastic and strabismus surgeries

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- Blepharorrhaphy / Tarsorrhaphy / Correction of entropion / Ectropion / Ptosis
- Trichiasis and chalazion removal / punctual occlusion
- Evisceration/ Enucleation
- Strabismus surgeries
- Intraocular Surgeries
- Phacoemulsification and IOL implantation/ ECCE/ ICCE
- Lensectomy / Anterior vitrectomy-AC IOL implantation / Surgical PI/ Pupiloplasty
- Corneal laceration repair
- Refractive surgery
- Lasik
- PRK- Phakic IOL
- Glaucoma Surgery
- Trabeculectomy/ CPC/ LASER PI
- Vitreous /Retina Surgery
- SB/ PRP/ IVB

The overall structure of the course:

Educational Wards, Units, or Area	Contents- Measures	Duration
Clinic	Outpatient visit / senior resident consultation and outpatient procedures as needed. Preparing outpatients for surgery.	Throughout the course according to departments schedule
Ophthalmology ward	Regular visiting inpatients, preparing inpatients for surgery- giving necessary consultations in the ward. Performing diagnostic and therapeutic procedures at the bedside. Bedside education	According to the program organized by the ward during the course
Wet-Lab	Working on natural models of eye and simulators	During the course- case study- according to the program organized by the ward
Operating room	Participating in surgical procedures by observation, assisting or performing independently- according to the program organized by the ward	1-2 days per week the course according to the facilities, except for the first-year students
Optional course	Each student can participate in the required wards in accordance with the organized program under the supervision of the program manager maximum for 1 month and bring a certificate from the wards.	One month

Important Notice:

The above features the curriculum of the Orthodontics 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.