

Program Information	
<b>Major (Name of Program)</b>	Shiraz Annual Epilepsy School (Semiology-EEG)
<b>Program Type<sup>1</sup></b> (For Further information regarding Program types, please refer to the Glossary on page 4)	Degree Based <input type="checkbox"/> Non- Degree Based <input checked="" type="checkbox"/>
<b>Degree Based Level of study<sup>2</sup></b> (For Further information regarding Degree based levels of study please refer to the Glossary on page 4)	Undergraduate <input type="checkbox"/> Master's <input type="checkbox"/> Ph.D. (By Coursework and research <input type="checkbox"/> , By research <input type="checkbox"/> Specialty <input checked="" type="checkbox"/> Subspecialty <input type="checkbox"/>
<b>Non-Degree Based Level of study<sup>2</sup></b> (For Further information regarding non degree based levels of study, please refer to the Glossary on page 4)	Fellowship <input type="checkbox"/> Post-Doctorate <input type="checkbox"/> <b>Short-Term Training Program <input checked="" type="checkbox"/></b> Medical Elective (Clinical Rotation/Internships) <input type="checkbox"/> Summer Program <input type="checkbox"/> Other <input type="checkbox"/> (please specify) .....
<b>School/ Research Center</b>	Epilepsy Research Center, Shiraz University of Medical Sciences
<b>Department</b>	
<b>Brief Description of the Major/study Program (300 to 1000 characters)</b>	Shiraz Annual Epilepsy School (Semiology-EEG) is an intensive 3-day course designed to impart the core competencies required for epilepsy classification and semiology, as well as electroencephalography of children and adults. The learning objectives span two focus areas, namely identifying and describing seizure semiology using standardized ILAE terminology and classification systems, and interpreting EEG along with describing common EEG patterns in children and adults.
<b>Related Website/Webpage (If Any)</b>	www.gsia.sums.ac.ir
<b>Related Keywords Minimum (3 Keywords)</b>	Epilepsy, Electroencephalography, EEG, Semiology, Seizure Semiology, ILAE



<p><b>Capacity (Number of International Students for Each Educational Year)</b></p>	<p>4</p>									
<p><b>Complete Description of the Major/study Program</b></p>	<p>The structure and learning objectives of this 3-day intensive course are detailed below:</p> <p><b>Day 1.</b>  <b>Epilepsy Semiology (4 hrs.):</b></p> <ol style="list-style-type: none"> <li>1. Glossary and medical terminology (1 hr.)</li> <li>2. Classification of epilepsies and seizure semiology (2 hrs.)</li> <li>3. Case presentation and group discussions (1 hr.)</li> </ol> <p><b>Day 2.</b>  <b>EEG in children and adults (4 hrs.):</b></p> <ol style="list-style-type: none"> <li>1. Background Rhythms</li> <li>2. Normal EEG in wakefulness &amp; sleep</li> <li>3. Artifacts</li> <li>4. Normal EEG variants</li> <li>5. Activation Methods</li> <li>6. Epileptiform EEG Abnormalities: interictal</li> </ol> <p><b>Day 3.</b>  <b>EEG in children and adults (4 hrs.):</b></p> <ol style="list-style-type: none"> <li>1. Epileptiform EEG Abnormalities: ictal (1 hr.)</li> <li>2. Report (1 hr.)</li> <li>3. Case presentation and group discussions (2 hrs.)</li> </ol> <p><b>Learning objectives (based on the ILAE LOs):</b></p> <p>1.3. Identifying and describing seizure semiology using standard ILAE terminology and classifications</p> <table border="1" data-bbox="462 1325 1458 1608"> <tr> <td>1.3.1 Identifying seizure semiology and distinguishing it from other non-epileptic manifestations</td> </tr> <tr> <td>1.3.2 Extracting semiological information from patient history</td> </tr> <tr> <td>1.3.3 Extracting semiological information from video recordings</td> </tr> <tr> <td>1.3.4 Interpreting semiological signs and symptoms with the aim of developing hypotheses on the localization of focal seizures</td> </tr> <tr> <td>1.3.5 Interpreting semiological signs and symptoms suggesting focal or generalized onset</td> </tr> <tr> <td>1.3.6 Classifying seizures using the ILAE classifications</td> </tr> </table> <p>1.4. Interpreting EEG and describing common EEG patterns in children and adults</p> <table border="1" data-bbox="462 1671 1458 1852"> <tr> <td>1.4.1 Determining who needs to receive EEGs, becoming acquainted with sensitivity and specificity, and interpreting the reports in the clinical context</td> </tr> <tr> <td>1.4.3 Demonstrating knowledge of montages - benefits and drawbacks</td> </tr> <tr> <td>1.4.7 Recognizing and describing background activity and sleep patterns in different age groups</td> </tr> </table>	1.3.1 Identifying seizure semiology and distinguishing it from other non-epileptic manifestations	1.3.2 Extracting semiological information from patient history	1.3.3 Extracting semiological information from video recordings	1.3.4 Interpreting semiological signs and symptoms with the aim of developing hypotheses on the localization of focal seizures	1.3.5 Interpreting semiological signs and symptoms suggesting focal or generalized onset	1.3.6 Classifying seizures using the ILAE classifications	1.4.1 Determining who needs to receive EEGs, becoming acquainted with sensitivity and specificity, and interpreting the reports in the clinical context	1.4.3 Demonstrating knowledge of montages - benefits and drawbacks	1.4.7 Recognizing and describing background activity and sleep patterns in different age groups
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	1.4.8 Recognizing and distinguishing artifacts and normal variants from abnormal EEG patterns, and taking necessary actions to remove artifacts
	1.4.9 Recognizing and describing interictal abnormalities
	1.4.10 Recognizing and describing ictal patterns

**Program Information**

<b>Admission Round for this Educational Year (2022-2023)</b>	October, April
<b>Language Requirements<sup>3</sup></b>	<p>SUMS’ minimal requirements for English language proficiency for undergraduate admission is: IELTS: minimum band score of 5.5, TOEFL (or its equivalent in TOEFL) iBT (minimum 69) or TOEFL PBT (minimum 525). The following individuals are exempted from providing a certificate of English proficiency:</p> <ul style="list-style-type: none"> <li>•Applicants who are natives of English speaking countries</li> <li>•Applicants whose language of instruction in their previous degrees has been English.</li> </ul>
<b>Required Previous Certificates &amp; Other Admission Requirements<sup>4</sup></b>	<p>The applicants must hold one of the following degrees:</p> <p>M.D., resident in Neurology or Neurologist</p> <p>M.D., resident in Psychiatry or Psychiatrist</p> <p>M.D., resident in Neurosurgery or Neurosurgeon</p> <p>M.D., fellow in Pediatric Neurology</p> <p>The applicants should provide us with their last academic degree(s) along with the complete transcript(s) of records.</p>

**Contact Info ( Program Coordinator)**

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## **Glossary**

### **<sup>1</sup>Program Type**

- If applicants should apply for B.Sc., M.D., Pharm.D., D.D.S., M.Sc., Ph.D., Specialty, Sub-Specialty, you should check Degree Programs.
- If applicants should apply for Fellowship Programs, Post-Doctorate, Short-Term Training Program, Medical Elective, Summer Programs, and other certificate-based programs, you should check Non-Degree Programs.

### **<sup>2</sup>Level of study**

- Bachelor of Science (B.Sc.) is a four-year undergraduate program.
- Doctor of Medicine (M.D.) is a seven-year undergraduate program on general Medicine.
- Doctor of Dental Surgery (D.D.S.) is a six-year undergraduate program on Dentistry.
- Doctor of Pharmacy (Pharm.D) is a six-year undergraduate program on Pharmacy.
- Master of Science (M.Sc.) is a two- to three-year graduate program.
- Doctor of Philosophy (Ph.D.) is a three- to five-year graduate program. Including:
  - ✓ Doctor of Philosophy Ph.D. by Coursework & Research includes two years of Ph.D. courses, a Comprehensive Exam, and then 2 to 2.5 years of Ph.D. research.
  - ✓ Ph.D. by Research includes 12 credits of Ph.D. courses and then the rest of Ph.D. program would be research.
- Specialty (Residency) is a three- to five-year graduate program offered to MD/MBBS degree holders.
- Subspecialty is a two- to three-year graduate program offered to specialty degree holders.
- Fellowship is a graduate program offered to Specialty or Subspecialty degree holders.



### **3 Language Requirements**

- SUMS’ minimal requirements for English language proficiency for **undergraduate admission** is: IELTS: minimum band score of 5.5, TOEFL (or its equivalent in TOEFL) iBT (minimum 69) or TOEFL PBT (minimum 525). The following individuals are exempted from providing a certificate of English proficiency:
  - Applicants who are natives of English speaking countries
  - Applicants whose language of instruction in their previous degrees has been English.
- SUMS’ minimal requirements for English language proficiency for **graduate admission** is: IELTS: minimum band score of 5.5, TOEFL (or its equivalent in TOEFL) iBT (minimum 72) or TOEFL PBT (minimum 533). The following individuals are exempted from providing a certificate of English proficiency:
  - Applicants who are natives of English speaking countries
  - Applicants whose language of instruction in their previous degrees has been English.

**NOTE:** Please note that applicants from Farsi Speaking countries (They shall both speak and write in Farsi) who have applied for 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.

### **4 Required Previous Certificates & Other Admission Requirements**

#### **Degree Programs**

**Undergraduate** applicants are required to provide us with Secondary School Certificate (SSC) and Higher Secondary School Certificate (HSSC), or their equals.

**Graduate** applicants who are applying for **M.Sc. level** should provide us with B.Sc. degree, SSC, and HSSC Higher Secondary School Certificate) along with their complete transcripts of records.



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**Graduate** applicants who are applying for **Ph.D. level** should provide us with M.Sc. and B.Sc. degrees along with their complete transcripts of records.

**Graduate** applicants who are applying for **Specialty level** should provide us with M.B.B.S./M.D. degree or their equivalents along with its complete transcript of records. They should also provide their Certificate of Practice (COP)/Certificate of Internship.

**Graduate** applicants who are applying for **Subspecialty** should provide us with M.B.B.S./M.D. or their equivalents, and Specialty degrees along with their complete transcripts of records. They should also provide their Certificate of Practice (COP)/Certificate of Internship.

### **Non-Degree Programs**

Academic Degrees and their Transcripts of Records for **Non-Degree Programs Applicants** (Post-Doctorate, Fellowship, Short-Term Training Programs, Medical Elective, Summer Program, etc.):

Non-Degree Programs Applicants should provide us with their last academic degree(s) along with the complete transcript(s) of records.

Please note that applicants who are applying for **Fellowship level** should provide us with M.B.B.S./M.D. or their equivalents, and Specialty degrees along with their complete transcripts of records. They should also provide their Certificate of Practice (COP)/Certificate of Internship.