

Program Information	
Major (Name of Program)	Upskilling and Empowering B.Sc. Nurses Working in NICU*
Program Type <sup>1</sup> (For Further Information Regarding Program Types, Please Refer to the Glossary)	Degree-Based <input type="checkbox"/> Non-Degree Based <input checked="" type="checkbox"/> (Please specify in one of the next two rows)
Non-Degree Based Level of Study <sup>2</sup> (For Further Information about Non-Degree Based Levels Of Study, Please Refer to the Glossary)	Fellowship <input type="checkbox"/> Post-Doctorate <input type="checkbox"/> Short-Term Training Program <input checked="" type="checkbox"/> (Duration: 4 Weeks) Medical Elective (Clinical Rotation/Internships) <input type="checkbox"/> Summer Program <input type="checkbox"/> Other <input type="checkbox"/> (Please specify) .....
School/Research Center	School of Nursing and Midwifery
Department	Department of Neonatal and Pediatric Nursing
Brief Description of The Major/Study Program (300 to 1000 Characters)	Nurses after passing of this short course will be able to: 1) Design and implement an appropriate care program for premature, full-term and post-term neonates 2) Evaluate the physical condition of Neonates and their blood gases 3) Take care of the neonates under phototherapy 4) Provide a variety of feeding techniques appropriate for neonatal condition. 5) Explain the most common genetic, cardiac, renal, metabolic, endocrine, infection, vaccination, gastrointestinal, hematologic, immunodeficient, and neurologic congenital anomalies and disorders in neonates under their nursing care 6) Distinguish neonatal fluid and electrolyte disturbances and calculate IV fluid in neonates
Keywords (At Least 3)	Neonatal Nursing, Critical Care, Nursing Care Plan
Program Approach	Theoretical <input type="checkbox"/> Practical <input type="checkbox"/> Mixed <input checked="" type="checkbox"/>
Related Website/Webpage (If Any)	www.gsia.sums.ac.ir

***Shiraz University of Medical sciences***

***“Office of the Vice-Chancellor for Global Strategies and International Affairs”***



<b>Capacity (Number of International Students for Each Academic Year)</b>	Minimum: 3                      Maximum: 4
<b>Tuition Fee</b>	1500 USD per 4 weeks
<b>First Admission Round for This Academic Year (2019-2020)</b>	July-August 2019 (Tir-Mordad 1398) or July-August 2020 (Tir-Mordad 1399)
<b>Duration of the Program</b>	30 days: 1) 15 days for theoretical training 2) 15 days for clinical training (6 hrs./day in NICU)
<b>Language Requirements<sup>3</sup></b>	For Further information regarding English Language Proficiency, please see the Glossary.
<b>Admission Requirements<sup>4</sup></b> (For Further Information Regarding Admission Requirements, Please See the Glossary)	B.Sc. degree in nursing with at least 6 months of work experience in NICU

\* Neonatal Intensive Care Unit

**Complete Description (Curriculum) of the Major/Study Program**

Topic	Hour
New Born Review	2
History Taking and Review of Neonatal Systems	
Full-Term Neonates	2
<ul style="list-style-type: none"> <li>- Premature Neonates</li> <li>- Post-mature Neonates</li> <li>- Neonatal Examination Based on Ballard Maturation Score</li> </ul>	
Neonatal Blood Gases and Interpretation	2
<ul style="list-style-type: none"> <li>- How to work with mechanical ventilation in NICU</li> </ul>	
Neonatal Jaundices	2
<ul style="list-style-type: none"> <li>- Principles of Phototherapy in Newborn</li> </ul>	
Common Genetic Disorders in Neonates	2
<ul style="list-style-type: none"> <li>- Treatment and Care for a Newborn with Genetic disorder</li> </ul>	
Congenital Heart Diseases.	2
<ul style="list-style-type: none"> <li>- Treatment and Care for a Newborn with Congenial Heart DX</li> </ul>	
Principles of Nutrition in Premature Neonates	2
<ul style="list-style-type: none"> <li>- Commencement and Continuity of feeding for Preterm Neonatal with an Emphasis on Breast-feeding</li> </ul>	
Gastrointestinal Abnormalities and Disorders in Neonates	2
<ul style="list-style-type: none"> <li>- Cleft Lip &amp; Palate</li> <li>- Thrush</li> <li>- Meconium Ileus</li> <li>- Necrotizing Enterocolitis (NEC)</li> </ul>	
Urinary Tract Abnormalities and Diseases in Neonates	2
<ul style="list-style-type: none"> <li>- Cryptorchidism</li> <li>- Hypospadiasis</li> <li>- Epispadiasis</li> <li>- Hermaphrodism</li> </ul>	
Fluid and Electrolyte Disturbances as well as Calculation of Intravenous Fluids	2
Metabolic Disorders in Neonates	2
<ul style="list-style-type: none"> <li>- PKU</li> </ul>	

Endocrine Diseases in Neonates	2
<ul style="list-style-type: none"><li>- Babies of Diabetic Mothers</li><li>- Hypothyroids</li></ul>	
Neonatal Blood Disorders	2
<ul style="list-style-type: none"><li>- Hemolytic Diseases in Newborns</li><li>- Neonatal Hemorrhagic Disorders</li></ul>	
Immune Deficiency Disorders in Neonates	2
Neonatal Infectious Diseases, Transmission, and Prevention	2
<ul style="list-style-type: none"><li>- Bacterial Sepsis</li><li>- Fungal Infection</li></ul>	
Neonatal Respiratory Diseases	2
<ul style="list-style-type: none"><li>- Apnea and Transient Tachypnea</li><li>- Hyaline Membrane Disease</li><li>- Meconium Aspiration</li><li>- Pulmonary Hypertension and Hemorrhage</li></ul>	
Neonatal Neurologic Diseases	2
<ul style="list-style-type: none"><li>- Intracranial Hemorrhage</li><li>- Brain Ischemia</li></ul>	



Contact Info (Program Coordinator)	
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## **Glossary**

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

- To apply for B.Sc., M.D., Pharm.D., D.D.S., M.Sc., Ph.D., Specialty, and Sub-Specialty programs, please check our website at [www.gsia.sums.ac.ir](http://www.gsia.sums.ac.ir).
- The applicants should check non-degree programs at [www.gsia.sums.ac.ir](http://www.gsia.sums.ac.ir) if they are intended to apply for SUMS Fellowship, Post-Doctorate, Short-Term Training, Medical Elective, and Summer 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 Medicine (D.M.D.) 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 oriented.
- 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.

### **<sup>3</sup>Language Requirements**

- SUMS minimal requirements for English language proficiency for undergraduate admission is a band score of 5.5 on IELTS, or a score of 69 on the TOEFL iBT or 525 on the TOEFL PBT. 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 a band score of 5.5 on IELTS, or a score of 72 on the TOEFL iBT or 533 on the TOEFL PBT (or its equivalent in TOEFL). 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 1:** Please note that applicants from/educated in Persian Speaking countries (They shall both speak and write in Persian) 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 shall meet SUMS minimal language proficiency requirements, within one year from commencing their studies at SUMS.

**NOTE 2:** Language proficiency level for non-degree program applicants can be determined through online or in-person interviews at the respective department's discretion.

## **4 Admission Requirements**

### **Degree Based 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 official transcripts of records.

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

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

### **Non-Degree Based Programs**

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

The applicants of Non-Degree Programs should submit their prior academic degree(s) along with the pertinent official 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 its equivalent, and Specialty degree along with their official transcripts of records. They should also provide their Certificate of Practice (COP)/Certificate of Internship.