



Program Information

Major (Name of Program)	Laboratory Hematology
Program Type¹ (For Further information regarding Program types, please refer to the Glossary on page 4)	Degree Based <input checked="" type="checkbox"/> Non Degree Based <input type="checkbox"/> <i>(Please specify in one of the next two rows)</i>
Degree Based Level of study² (For Further information regarding Degree based levels of study please refer to the Glossary on page 4)	Undergraduate <input type="checkbox"/> Master's <input checked="" type="checkbox"/> Ph.D. (By Coursework and research <input type="checkbox"/> , By research <input type="checkbox"/>) Specialty <input type="checkbox"/> Subspecialty <input type="checkbox"/>
Non-Degree Based Level of study² (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"/> Short-Term Training Program <input type="checkbox"/> (Duration Months) Medical Elective (Clinical Rotation/Internships) <input type="checkbox"/> Summer Program <input type="checkbox"/> Other <input type="checkbox"/> (please specify)
School/ Research Center	School of Paramedical Sciences
Department	Medical Laboratory Science
Brief Description of the Major/study Program (300 to 1000 characters)	Hematology is the study of the cause, diagnosis, treatment and prevention of diseases related to blood. It involves the production of blood and its components, such as blood cells, haemoglobin, blood proteins and bone marrow. Haemostasis is the human body's response to blood vessel injury and bleeding. It involves a coordinated effort between platelets and numerous blood clotting proteins (or factors), resulting in the formation of a blood clot and subsequent stopping of the bleed. Blood transfusion is the process of receiving blood or blood products. Transfusions are used for various medical conditions to replace lost components of the blood. Blood Transfusion uses individual components of the blood, such as red blood cells, white blood cells, plasma, clotting factors and platelets. Using critical analysis skills, you will evaluate new developments in research into the blood sciences.
Related Website/Webpage (If Any)	https://paramed.sums.ac.ir/page-MedicalLaboratorySciencesDepartment/en/236/form/pld30960



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Related Keywords (Minimum 3 Keywords)	Laboratory Hematology, SUMS, School of Paramedical Sciences, MSc,
Capacity (Number of International Students for Each Educational Year)	2-3
Program Information	
First Admission Round for this Educational Year (2019-2020)	September 2024 (Mehr 1403) ■ February 2024 (Bahman 1403) ■
Complete Description of the Major/study Program	<p>We've designed our MSc Laboratory Hematology degree to enable you to develop an advanced theoretical understanding and the practical techniques you'll need to apply those theories in a research or clinical context.</p> <p>You'll start by developing a well-rounded understanding of biomedical topics, learning about analytical techniques and human disorders. You'll then look at a range of specialist units – offering an in-depth look at everything from blood cells and diseases of the blood, to blood groups, transfusion methods and immunological aspects of blood. From there, you'll be ready to tackle the issues that fascinate you, with an independent master's research project.</p> <p>From furthering your career in a hospital laboratory or working in a research facility, continuing your studies or moving into teaching or management, be ready for a career full of impact.</p> <p>Our course is accredited by the School of Paramedical Sciences which means our teaching is of a high standard and provides wide-ranging, research-informed education to ensure you develop the practical skills</p>



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	and experience that employers’ value.
<p>Language Requirements³ For Further information regarding Minimal English Language Proficiency, please refer to the Glossary on page 5)</p>	<p>IELTS: minimum band score of 5.5, TOEFL (or its equivalent in TOEFL) iBT (minimum 72) or TOEFL PBT (minimum 533)</p>
<p>Required Previous Certificates & Other Admission Requirements⁴ For Further information regarding required admission requirements, please refer to the Glossary on page 6)</p>	<ol style="list-style-type: none"> 1. Clinical Laboratory Sciences 2. Medicine 3. Biomedical Science 4. Human Biology

Contact Info (Program Coordinator)	
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Glossary

¹Program 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.

²Level 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.



³Language 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.

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.



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