



**SUPERIOR
UNIVERSITY**



BS Medical Laboratory Sciences

FACULTY OF ALLIED HEALTH SCIENCES



**RANKED NO. 1 IN
QUALITY OF EDUCATION
IN PAKISTAN**

WORLD RANK IN
QUALITY OF EDUCATION
101-200

OVERALL RANK IN
WORLD'S TOP
401-600

AMONG THE
TOP 10
UNIVERSITIES OF
PAKISTAN

3U1M[®]

3 Years in University and 1 year in Market

3U1M is our unique and distinctive framework which is focused on enabling and empowering the youth to create social and economic impact. This research-informed experiential learning program has been designed to ensure student success by teaching not only theories but their practical implications to equip our students with the skills of 21st-century graduates. This employability ensured program is a milestone in our mission for developing an economically Superior Pakistan.

Year 2 - Exploration PBL 2

In year 2 students explore the emerging concepts of the relevant industry and gain experiential learning through Project based learning Level 2.

Freshman Program

A rigorous on-boarding program for a smooth transition to university education through IQ & EQ Accelerators preparing students for entering university life.

1M-Market Intensive Year

For the final Market Intensive Year "1M" (one year in the market), we have designed four indigenous career streams i.e. Design Challenge, Startup, Scaleup, & Superior Go Global so our students may choose any track according to their aptitude.

Career Pathways

Startup: to become a successful entrepreneur by getting incubated at our **Innovation District 92 (ID-92)**



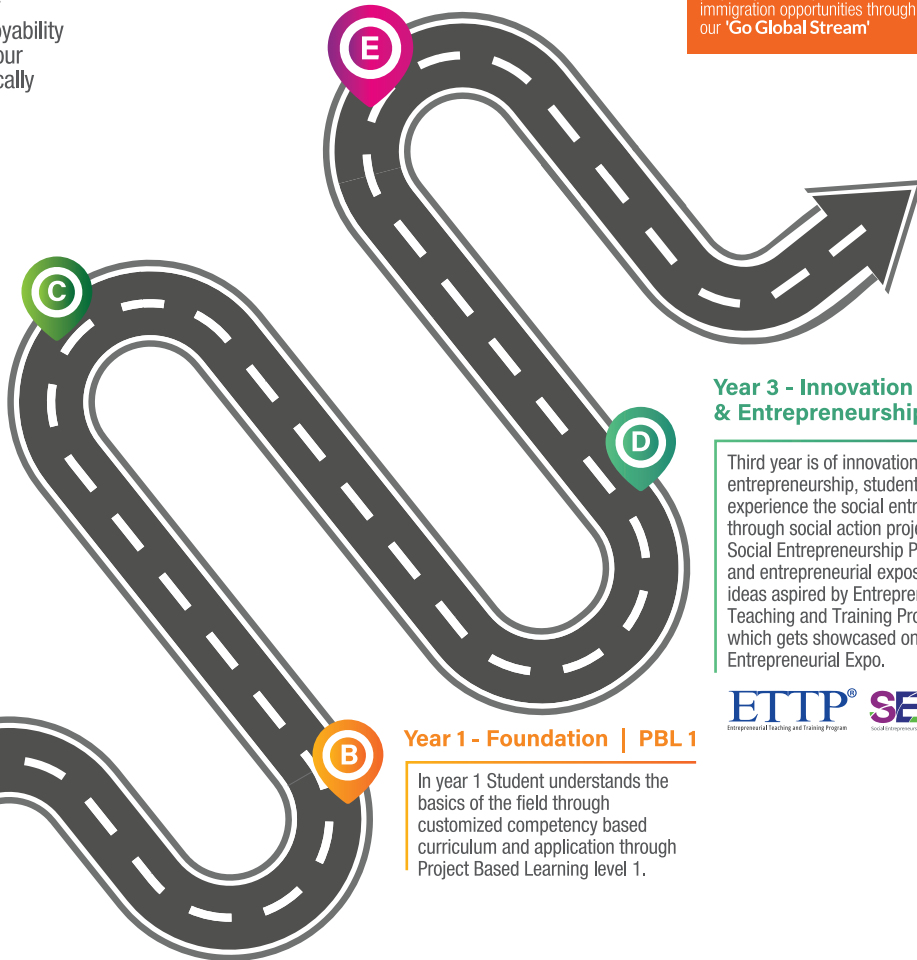
Scaleup: to uplift your family business by getting trained at our accelerator "ScaleupPk"



Design Challenge: to become a valuable resource for corporate world by solving a real-time industry problem following **Design Thinking** approach



Superior Go Global: to prepare you to explore career and immigration opportunities through our 'Go Global Stream'



Year 3 - Innovation & Entrepreneurship | PBL 3

Third year is of innovation and entrepreneurship, students will experience the social entrepreneurship through social action projects under Social Entrepreneurship Program (SEP) and entrepreneurial exposition of new ideas aspired by Entrepreneurship Teaching and Training Program (ETTP) which gets showcased on Superior Entrepreneurial Expo.



Year 1 - Foundation | PBL 1

In year 1 Student understands the basics of the field through customized competency based curriculum and application through Project Based Learning level 1.

BS

Medical Laboratory Sciences

The Medical Lab Sciences program offered at Superior University teaches students to give critical clinical information to health care practitioners and to assure trustworthy results that contribute to the prevention, diagnosis, prognosis, and treatment of physiological and pathological disorders. This program provides a solid foundation in a variety of scientific areas enabling the graduates to pursue a career in the diagnostic testing industry.

Course Duration	4 Years
Semesters	8
Total Credit Hours	131

Eligibility

FSc (Pre Medical) or Equivalent with minimum 45% marks.

Semester 1

Anatomy-I	3
Biochemistry-I	3
Physiology-I	3
Clinical Pharmacology	3
Functional English	3

Semester 4

Cell Biology	3
Medical Lab Instrumentation	3
Basic Hematology	3
Immunology and Serology-II	3
Endocrinology	3
Social Entrepreneurship	3

Semester 2

Anatomy-II	3
Biochemistry-II	3
Physiology-II	3
Communication Skills	3
Introduction to Computer	3
Islamic Studies	2

Semester 5

Medical Microbiology-I	3
Mycology	3
Probability and Biostatistics	3
Advanced Hematology	3
Cytology and histopathology	3
Chemical Pathology-I	3

Semester 7

Medical Ethics	3
Clinical Lab Rotations - Chemical Analysis	3
Basic Histotechniques	3
Molecular Biology and Genetics-I	3
Clinical Lab Rotations - Microbiology and Histopathology	3

Semester 3

Blood Banking	3
Lab Biosafety and Management	3
General Pathology	3
Pakistan Studies	2
Clinical Pathology	3
Immunology and Serology-I	3

Semester 6

Medical Microbiology-II	3
Parasitology	3
Seminar	1
Healthcare Entrepreneurship	3
Chemical Pathology-II	3
Research Methodology	3

Semester 8

Research Project	6
Advanced Histotechnique	3
Forensic Criminology	3
Molecular Biology and Genetics-II	3



3U1M[®] WITH GLOBAL EXPERIENCE

CAREER SCOPE

- Land jobs as a Medical Lab Technologist
- Start your own medical lab
- Become a Biomedical Lab Engineer
- Opportunities to seek global exposure for higher education, internship, job or immigration through 3U1M Stream 'Superior Go Global'

DISTINCTIVE FEATURES

- Clinically expert faculty members
- Attached CMA Diagnostic and Research Lab
- In-house 600 bed hospital

To apply online, please visit
admissions.superior.edu.pk
042-111-00-00-78



University Campus, Lahore

17-KM, Main Raiwind Road, Lahore.
Ph: 042-38103777

Sargodha Campus

10-KM, Lahore Road, Sargodha.
Ph: 048-211-00-00

Faisalabad Campus

13-KM Satiana Road, Near Khanuana
Bypass, Faisalabad. Ph: 041-8792007-8

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