

PROSPECTUS

2026-27



**Muhammad Nawaz Sharif
University of Engineering and Technology,
Multan**





بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ



CHANCELLOR



**SARDAR SALEEM HAIDER
KHAN**

Vice Chancellor's Message

It gives me great pleasure to welcome you to Muhammad Nawaz Sharif University of Engineering and Technology (MNSUET), Multan—an emerging institution dedicated to shaping the future of South Punjab through excellence in engineering, technology, management, and entrepreneurship.

At MNSUET, our vision is clear: to become a regionally transformative university that not only imparts knowledge but also drives innovation, economic growth, and societal progress. Situated in the heart of South Punjab, we carry a unique responsibility to address local challenges through globally relevant solutions.

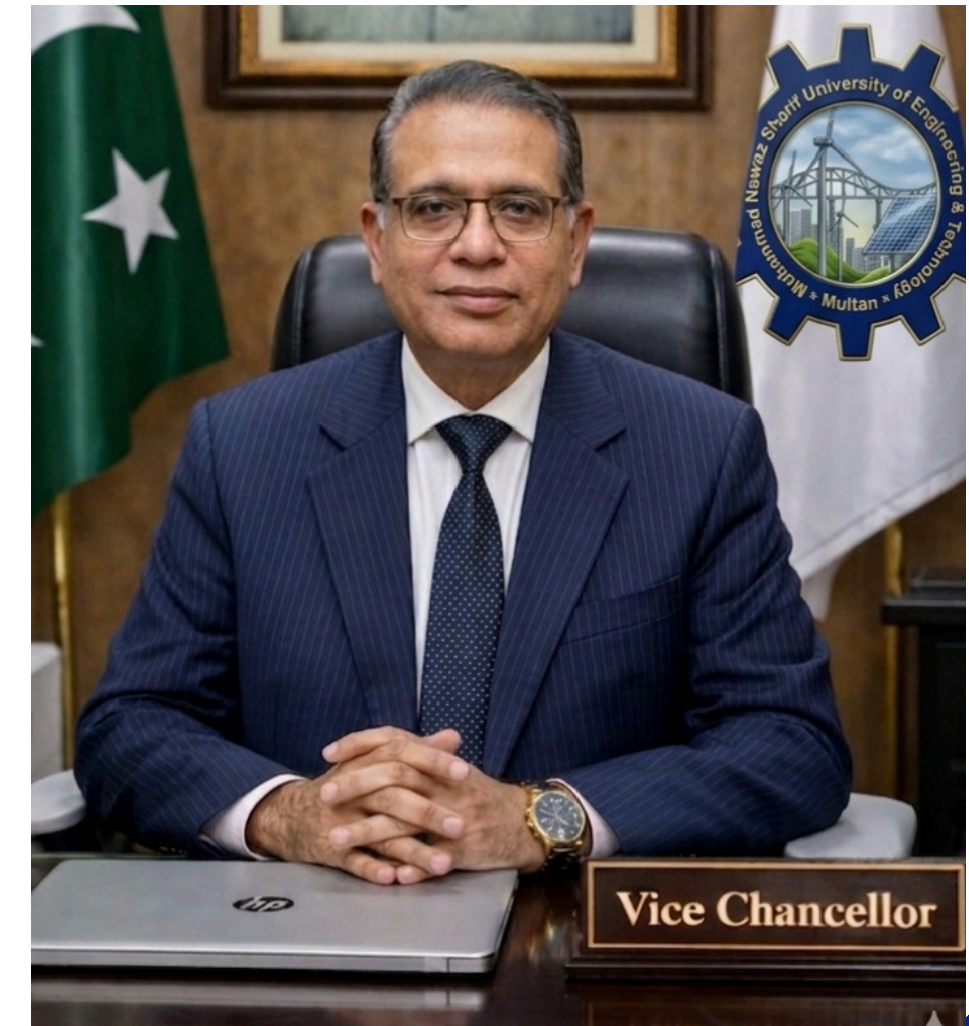
Our academic focus is firmly rooted in engineering and technology, supported by a multidisciplinary approach that develops leadership, innovation, and entrepreneurial thinking in our graduates.

We emphasize:

- Innovation and problem-solving mindset
- Industry-oriented learning and exposure
- Digital transformation in education
- Leadership and entrepreneurship development

We are continuously investing in modern infrastructure, smart systems, and advanced learning platforms to ensure a high-quality academic environment that meets international standards.

MNSUET stands as a catalyst for regional development, empowering youth to become innovators, leaders, and job creators who contribute positively to society.



Prof. Dr. Fauseef Aized

Contents

Vision and Mission
Chancellor’s Message.....
Vice Chancellor’s Message.....
Officers of the University
Chairpersons / Directors of Teaching Departments / Institutes
Head of Non-Teaching Departments
Academic Calendar
The University
Degree Programs Offered at UET
Affiliated Institutions& Programs Offered.....
UG Admission Process Schedule.....
Admission Eligibility and Procedure.....
Determination of Merit.....
Application Categories and Symbols
Application filling and Submission
Procedure for the selected candidates.....

RULES & REGULATIONS

Important Information
Undergraduate Semester Regulations.....
Examination Regulations
Visiting Students Policy.....
Migration Regulations
Code of Ethics
Code of Honour
Authorities to check indiscipline
Penalties for Acts of Indiscipline
General Discipline Rules Relating to
UG Fee Regulations.....
Financial Assistance and Scholarship Policy
Fee Structure.....
UG Fee Schedule for Session 2024
Seat Allocation Chart.....
UET Alumni Office.....
Important Contact Information
Acknowledgment
Disclaimer

VISION

To generate knowledge for global competitive advantage and become A leading world class research university.

MISSION

To play a leading role as a university of engineering and technology, in teaching, Innovation and commercialization that is internationally relevant and has a direct bearing on national industrial, technological and socio-economic development.

**Muhammad Nawaz Sharif University of Engineering and Technology,
Multan**

Chancellor

SARDAR SALIM HAIDER KHAN

Governor of Punjab

Vice Chancellor

Prof. Dr. Engr. Tauseef Aized

Registrar

Prof. Dr. Muhammad Asim Umer

Controller of Examinations

Dr. Ayyaz Ahmed

Treasurer

Muhammad Abid Khan

CHAIRPERSONS / INCHARGES OF TEACHING DEPARTMENTS

Prof. Dr. Asim Umer

Department of Chemical Engineering and Technology

Dr. Muhammad Mehran Bashir

Department of Electrical Engineering and Technology

Dr. Muhammad Aon Ali

Department of Mechanical Engineering and Technology

Engr. Fatima Mehwish

Department of Civil Engineering and Technology

Dr. Muhammad Shahzad

Department of Computer Science

Dr. Kashif Ali

Department of Mathematics

Dr. Shabana Afzal

Department of Chemistry

Dr. Kashif Ali

Department of Physics

Dr. Zeeshan Rasool

Department of Management Sciences

INCHARGES OF NON-TEACHING DEPARTMENTS

Dr. Sabih Qamar
Students Affairs

Dr. Rooha Masroor
Quality Enhancement Cell

Dr. Muhammad Athar
Research, Innovation and Commercialization Office

Dr. Asifa Maqbool
Additional Treasurer

Dr. Meesam Ali
Sports Section

Engr. Kamran Umer
Purchase & Store

Engr. Mina Arshad
Industrial Linkages & Career Placement

Engr. Tasmia Kousar
Library Section

Engr. Tariq Mehmood
Security Section

Engr. Arbab Shahid
Center for Professional and Excellence

Engr. Muhammad Usman Azeem
Project Director

Engr. Qaiser Bashir
Transport Section

Engr. Anem Saeed
Outcome Based Education

Dr. Kashif Ali
Financial Aid Office

Engr. Touqeer Ahmad Raza
Academics Section

Dr. Sabih Qamar
Convenor Admission Committee

Dr. Sabih Qamar
Hostel Warder

Mr. Muhammad Rehman
Public Relations Officer / Sports Coordinator

Academic Calender Year 2026-27

(Sessions 20276)

Consequent upon approval by worthy Vice Chancellor, it is to notify scheduled activities for academic calendar year 2026-27 for under graduate session 2026 (New In-take).

Fall 2026 Semester		
1	Commencement of classes	14 th September, 2026
2	1 st Sessional Quiz	12 th October, 2026– 16 th October, 2026
3	Mid Semester Exam	09 th November, 2026– 13 th November, 2026
4	Sports Week/ Carnival / Culture Day	16 th November, 2026 – 20 th November, 2026
5	2 nd Sessional Quiz	14 th December, 2026– 18 th December, 2026
6	Final Semester Exam	11 th January , 2027 – 20 th January, 2027
Spring 2027 Semester		
1	Commencement of classes	25 th January, 2027
2	1 st Sessional Quiz	22 nd February, 2027 – 26 th February,
3	*Eid-ul-Fitr Holidays	11 th March, 2027 – 14 th March, 2027
4	Mid Semester Exam	22 nd March, 2027 – 26 th March, 2027
6	2 nd Sessional Quiz	4 th May, 2027 – 08 th May, 2027
7	*Eid-ul-Adha Holidays	17 th May, 2027 – 19 th May, 2027
8	Final Semester Exam	24 th May, 2027 – 2 nd June, 2027
Summer Semester 2027		14 th June, 2027 – 20 th August, 2027
Short Courses		5 th July, 2027 – 5 th August, 2027

Session 2026-27
Fall 2026
Admission Schedule

Date	Activity
18-05-2026	1 st Admission Advertisement / Portal Opens
24-07-2026	Last Date / Test Portal Closes
26-07-2026 (Sunday)	MNS-UET Entry Test 1
28-07-2026	1 st Merit List
31-07-2026	2 nd Merit List
03-08-2026	3 rd Merit List
06-08-2026	4 th Merit List
24-08-2026	2 nd Admission Advertisement / Portal Opens
04-09-2026	Last Date / Test Portal Closes
06-09-2026 (Sunday)	MNS-UET Entry Test 2
08-09-2026	1 st Merit List
10-09-2026	2 nd Merit List
12-09-2026	3 rd Merit List
14-09-2026	Orientation / Commencement of Classes

DEPARTMENTS

DEPARTMENT OF CHEMICAL ENGINEERING & TECHNOLOGY



INTRODUCTION

Chemical Engineering is one of the most modern and innovative fields of engineering in today's world. It combines chemistry, physics, mathematics, biology, and technology to develop processes that convert raw materials into valuable products used in everyday life. Modern chemical engineers work in industries such as petroleum, pharmaceuticals, food processing, energy production, biotechnology, fertilizers, polymers, environmental protection, and renewable energy.

Nowadays, Chemical Engineering is not limited to traditional factories and refineries. With the advancement of technology, chemical engineers are playing a major role in sustainable development, green energy, artificial intelligence in industries, nanotechnology, and environmental safety. They design smart industrial systems, improve production efficiency, reduce pollution, and develop eco-friendly manufacturing processes.

Chemical engineers are involved in the production of fuels, medicines, plastics, cosmetics, textiles, batteries, clean water systems, and advanced materials. Modern laboratories and automated industrial plants use cutting-edge technologies where chemical engineers apply innovation and research to solve global challenges.

As industries continue to grow rapidly, the demand for skilled chemical engineers is increasing worldwide. This field offers excellent career opportunities in multinational companies, research organizations, power plants, oil refineries, and high-tech industries. Chemical Engineering is therefore considered a dynamic and future-oriented profession that contributes significantly to industrial development and technological progress.

Mission

To cultivate competent, innovative, and ethically responsible chemical engineers through excellence in education, research, and industry engagement. The program prepares graduates with the knowledge, technical skills, and leadership capabilities required to solve complex engineering problems, drive sustainable industrial development, and contribute to the advancement of society in a global environment.

Programs Offered

BS Chemical Engineering – 4 years
BS Food Engineering - Years
BS Chemical Engineering Technology - 4 years
MSc Chemical Engineering
PhD Chemical Engineering

FACULTY



Prof. Dr. Asim Umer
Professor



Dr. Ayyaz Ahmad
Associate Professor



Dr. Meesam Ali
Assistant Professor



Dr. Sabih Qamar
Assistant Professor



Dr. Usman Saeed
Assistant Professor



Engr. Mina Arshad
Lecturer



Engr. Anem Saeed
Lecturer



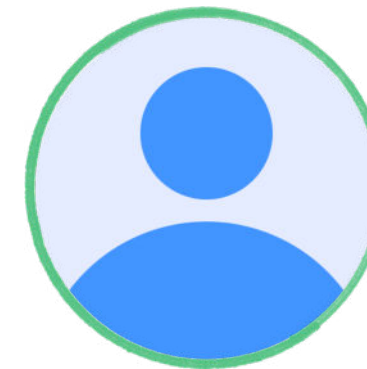
Engr. Hina Muryam
Lecturer



Engr. Mehboob Ahmad Aadil
Lecturer



Dr. Muhammad Athar
Assistant Professor



Engr. Suleman Ali
Lecturer



Engr. Dr. Ali Hassan
Assistant Professor



Engr. Jahanzaib Ahmad Ansari
Lab Engineer

SCHEME OF STUDIES of BS Chemical Engineering

Th = Theory, Lab = Laboratory, Tot = Total (For Labs the course code remains same with L at the end)										
Course No. and Title		Pre-Requisite Course	Domain	Knowledge Area	Credit Hours			Contact Hours		
					Th	Lab	Tot	Th	Lab	Tot
Semester 1										
CH-111	Physical & Analytical Chemistry	Nil	General Education	Natural Sciences	2	1	3	2	3	5
PHY-111	Applied Physics	Nil	General Education	Natural Sciences	2	1	3	2	3	5
ME-111	Engineering Drawing	Nil	Engineering Domain	Foundation	0	1	1	0	3	3
Ch.E-111	Particulate Technology	Nil	Engineering Domain	Breadth	3	1	4	3	3	6
CS-111	Application of Information and Communication Technology	Nil	General Education	Computer Sciences	2	1	3	2	3	5
IS/HU-111	Islamic Studies (Compulsory for Muslim Students / Ethics Non-Muslim Students)	Nil	General Education	Humanities	2	0	2	2	0	2
MA-110	Mathematics (Compulsory for Pre-Medical students)	Nil	General Education	Natural Sciences	Non-Credited			3	0	3
Semester Total					11	5	16	11	15	26
Semester 2										
Ch.E-121	Industrial Stoichiometry-I	Nil	Engineering Domain	Foundation	3	0	3	3	0	3
MA-121	Calculus & Analytical Geometry	Nil	General Education	Natural Sciences	3	0	3	3	0	3
ME-121	Workshop Practice	Nil	Multidisciplinary Engineering		0	1	1	0	3	3
Ch.E-122	Engineering Materials	Nil	Multidisciplinary Engineering		2	0	2	2	0	2
Ch.E-123	Chemical Process Industries	Nil	Engineering Domain	Foundation	3	0	3	3	0	3
HU-121	Functional English	Nil	General Education	Humanities	3	0	3	3	0	3
QS-121 / Eth-121	Quran Teaching with translation-I (Compulsory for Muslim Students /Social Ethics-I for Non-Muslim)	Nil	General Education		1	0	1	1	0	1
Ch.E-124	Health & Safety at Work Place	Nil	Multidisciplinary Engineering		2	0	2	2	0	2
Semester Total					17	1	18	17	3	20

SCHEME OF STUDIES of BS Chemical Engineering

Th = Theory, Lab = Laboratory, Tot = Total (For Labs the course code remains same with L at the end)										
Course No. and Title		Pre-Requisite Course	Domain	Knowledge Area	Credit Hours			Contact Hours		
					Th	Lab	Tot	Th	Lab	Tot
Semester 3										
CH-211	Inorganic & Organic Chemistry	CH-111	General Education	Natural Sciences	2	1	3	2	3	5
Ch.E-211	Chemical Engineering Thermodynamics – I	Nil	Engineering Domain	Foundation	3	0	3	3	0	3
E-E-211	Electrical Technology	Nil	Flexible Engg./Non-Engg.		2	1	3	2	3	5
Ch.E-212	Fluid Mechanics	Nil	Engineering Domain	Foundation	3	0	3	3	0	3
HU-211	Expository Writing	HU-121	General Education	Humanities	3	0	3	3	0	3
HU-212	Ideology and Constitution of Pakistan	Nil	General Education	Humanities	2	0	2	2	0	2
QS-211 / Eth-211	Quran Teaching with translation-II (Compulsory for Muslim Students /Social Ethics-II for Non-Muslim)	QS-121 / Eth-121	General Education		1	0	1	1	0	1
Semester Total					16	2	18	16	6	22
Semester 4										
Ch.E-221	Industrial Stoichiometry-II	Ch.E-121	Engineering Domain	Foundation	3	0	3	3	0	3
MA-221	Linear Algebra & Differential Equation	MA-111	General Education	Natural Sciences	3	0	3	3	0	3
Ch.E-222	Energy Engineering	Ch.E-211	Engineering Domain	Breadth	3	1	4	3	3	6
Ch.E-223	Chemical Engineering Economics	Nil	General Education	Humanities	2	0	2	2	0	2
Ch.E-224	Fluid Dynamics	Ch.E-212	Engineering Domain	Breadth	3	1	4	3	3	6
Semester Total					14	2	16	14	6	20
Semester 5										
MA-311	Computer Science and Numerical Analysis	Ch.E-112	Engineering Domain	Advanced Computer & Information Science	2	1	3	2	3	5
Ch.E-311	Heat Transfer Fundamentals	Nil	Engineering Domain	Foundation	3	0	3	3	0	3
Ch.E-312	Mass Transfer Fundamentals	Nil	Engineering Domain	Foundation	3	0	3	3	0	3
Ch.E-313	Chemical Reaction Engineering	Ch.E-221	Engineering Domain	Breadth	3	1	4	3	3	6
Ch.E-314	Entrepreneurship	Nil	General Education	Management Sciences	2	0	2	2	0	2
Ch.E-315	Chemical Engineering Mathematics	Nil	Flexible Engg./Non-Engg.		3	0	3	3	0	3
Semester Total					16	2	18	16	6	22

SCHEME OF STUDIES of BS Chemical Engineering

Th = Theory, Lab = Laboratory, Tot = Total (For Labs the course code remains same with L at the end)										
Course No. and Title		Pre-Requisite Course	Domain	Knowledge Area	Credit Hours			Contact Hours		
					Th	Lab	Tot	Th	Lab	Tot
Semester 6										
Ch.E-321	Process Heat Transfer	Ch.E-311	Engineering Domain	Major Based Core (Depth)	3	1	4	3	3	6
Ch.E-322	Chemical Reactor Design	Ch.E-313	Engineering Domain	Major Based Core (Depth)	2	0	2	2	0	2
Ch.E-323	Chemical Engineering Thermodynamics-II	Ch.E-211, Ch.E-221, Ch.E-224	Engineering Domain	Breadth	3	1	4	3	3	6
Ch.E-324	Separation Processes	Ch.E-312	Engineering Domain	Major Based Core (Depth)	3	1	4	3	3	6
Ch.E-325	Environmental Engineering	Nil	Engineering Domain	Breadth	2	1	3	2	3	5
QS-321 / Eth-321	Quran Teaching with translation-III (Compulsory for Muslim Students / Social Ethics-III Non-Muslim Students)	QS-211 / Eth-211	General Education		1	0	1	1	0	1
Ch.E-326	Industrial Training	Mandatory with Qualifying criteria as per HEC / PEC guidelines (Mention on DMC).								
Semester Total					14	4	18	14	12	26
Semester 7										
Ch.E-411	Simultaneous Heat and Mass Transfer	Ch.E-321, Ch.E-324	Engineering Domain	Major Based Core (Depth)	3	1	4	3	3	6
Ch.E-412	Chemical Engineering Plant Design	Ch.E-321, Ch.E-322, Ch.E-324	Engineering Domain	Major Based Core (Depth)	3	0	3	3	0	3
Ch.E-413	Maintenance Engineering	Nil	Flexible Engg./Non-Engg.		2	0	2	2	0	2
Ch.E-414	Engineering Management	Nil	General Education	Management Sciences	2	0	2	2	0	2
Ch.E-415	Industrial Instrumentation	Nil	Engineering Domain	Foundation	2	0	2	2	0	2
Ch.E-416	Elective-I	Nil	Engineering Domain	Major Based Core (Depth)	2	0	2	2	0	2
Ch.E-417	FYDP-I (Final Year Design Project-I)	Ch.E-221, Ch.E-321, Ch.E-322, Ch.E-323, Ch.E-324	Engineering Domain	FYDP	0	3	3	0	9	9
Semester Total					14	4	18	14	12	26

SCHEME OF STUDIES of BS Chemical Engineering

Th = Theory, Lab = Laboratory, Tot = Total (For Labs the course code remains same with L at the end)										
Course No. and Title		Pre-Requisite Course	Domain	Knowledge Area	Credit Hours			Contact Hours		
					Th	Lab	Tot	Th	Lab	Tot
Semester 8										
Ch.E-421	Process Modelling and Simulation	Ch.E-412	Engineering Domain	Major Based Core (Depth)	1	1	2	1	3	4
Ch.E-422	Transport Phenomena	Ch.E-224, Ch.E-321, Ch.E-324	Engineering Domain	Breadth	3	0	3	3	0	3
Ch.E-423	Process Dynamics and Control	Ch.E-415	Engineering Domain	Breadth	3	1	4	3	3	6
Ch.E-424	Elective-II	Nil	Engineering Domain	Major Based Core (Depth)	2	0	2	2	0	2
Ch.E-425	Elective-III	Nil	Engineering Domain	Major Based Core (Depth)	2	0	2	2	0	2
Ch.E-426	FYDP-II (Final Year Design Project-II)	Ch.E 411, Ch.E 412, Ch.E-415, Ch.E-417	Engineering Domain	FYDP	0	3	3	0	9	9
QS-421/ Eth-421	Quran Teaching with translation-IV (Compulsory for Muslim Students / Social Ethics-IV Non-Muslim Students)	QS-321 / Eth-321	General Education		1	0	1	1	0	1
Semester Total					12	5	17	12	15	27
PROGRAM TOTAL					114	25	139	114	75	189

Scheme of Study for BSc Chemical Engineering Technology

SEMESTER-I			
Suggested Course Codes	Course Title	Knowledge Area/Domain	Credit Hrs. (Th+Lab)
ChH-111/ ChH-111	Islamic Studies / Social Ethics	Art & Humanities-I	3+0
ChT-112	Introduction to Chemical Industries	Chemical Engineering Technology Foundation-II	1+1
ChQ-113	Applied Mathematics -I	Quantitative Reasoning-I	2+0
ChN-114	Applied Physics	Natural Sciences-I	2+1
ChC-115	Computer Fundamentals	Computing-I	1+1
ChN-116	Applied Chemistry	Natural Sciences-II	2+1
ChT-117	Workshop Practices	Chemical Engineering Technology Foundation-I	0+2
Subtotal			11+6 =17

SEMESTER-II			
Suggested Course Codes	Course Title	Knowledge Area/Domain	Credit Hrs. (Th+Lab)
ChH-121	Pakistan Studies	Art & Humanities -II	3+0
ChQ-122	Applied Mathematics – II	Quantitative Reasoning-II	2+0
ChT-123	Basic Thermodynamics	Chemical Engineering Technology Foundation-VIII	1+2
ChQ-124	Chemical Process Calculations	Quantitative Reasoning-II	1+1
ChC-125	Computer Programing & Software Application	Computing-II	1+1
ChE-126	Communication Skills	Expository Writing-I	3+0
ChT-127	Technical Drawing and Graphics	Chemical Engineering Technology Foundation-IV	0+1
Subtotal			11+5 =16

Scheme of Study for Bsc Chemical Engineering Technology

SEMESTER-III			
Suggested Course Codes	Course Title	Knowledge Area/Domain	Credit Hrs. (Th+Lab)
ChT-211	Fluid Flow Operations	Chemical Engineering Technology Foundation-V	1+1
ChE-212	Technical Report Writing	Expository Writing-II	3+0
ChT-213	Energy Technologies	Chemical Engineering Technology Breadth-III	1+1
ChN-214	Natural Science Elective-I	Natural Science Elective-I	2+1
ChT-215	Particulate Technology	Chemical Engineering Technology Breadth-I	1+2
ChT-216	Industrial Materials	Chemical Engineering Technology Breadth-II	1+1
Subtotal			9+6 =15

SEMESTER-IV			
Suggested Course Codes	Course Title	Knowledge Area/Domain	Credit Hrs. (Th+Lab)
ChT-221	Mass Transfer Operations	Chemical Engineering Technology Foundation-VI	2+1
ChT-222	Heat Transfer Operations	Chemical Engineering Technology Foundation-VII	2+1
ChH-223	Professional Ethics	Social Science-I	3+0
ChT-224	Breadth Electives-I (product testing & charecterisation, water and waste water treatment technology, biotechnology)	Chemical Engineering Technology Breadth Elective-I	1+1
ChT-225	Process Plant Operations	Chemical Engineering Technology Depth-I	2+1
ChT-226	Environment, Health, and Safety	Chemical Engineering Technology Foundation-III	1+0
ChT-227	Plant Maintenance	Chemical Engineering Technology Depth-II	2+1
Subtotal			13+5 =18

Scheme of Study for BSc Chemical Engineering Technology

SEMESTER-V			
Suggested Course Codes	Course Title	Knowledge Area/Domain	Credit Hrs. (Th+Lab)
ChT-311	IDTE-I	IDTE	1+1
ChT-312	Chemical Reactor Operations	Chemical Engineering Technology Depth -III	2+1
ChT-313	Industrial Instrumentation	Chemical Engineering Technology Breadth -IV	1+1
ChT-314	Depth Elective-I(joining of materials)	Chemical Engineering Technology Depth Elective-I	2+1
ChT-315	Depth Elective-II(fertilizer technology)	Chemical Engineering Technology Depth Elective-II	2+1
ChT-316	Project Part-I	Chemical Engineering Technology Domain Project	0+3
Subtotal			8+8 =16

SEMESTER-VI			
Suggested Course Codes	Course Title	Knowledge Area/Domain	Credit Hrs. (Th+Lab)
ChM-321	Management Elective-I	Management Sciences-I	3+0
ChM-322	Economics for Technologists	Management Sciences-II	3+0
ChT-325	IDTE-II	IDTE	1+1
ChT-323	Process Plant Utilities	Chemical Engineering Technology Depth -V	2+1
ChT-324	Depth Elective-III(petroleum & petro chemical technology)	Chemical Engineering Technology Depth Elective-III	2+1
ChT-326	Project Part-II	Chemical Engineering Technology Domain Project	0+3
Subtotal			11+6 =17

Scheme of Study for Bsc Chemical Engineering Technology

SEMESTER-VII			
Suggested Course Codes	Course Title	Knowledge Area/Domain	Credit Hrs. (Th+Lab)
ChT-411	Supervised Industrial Training (Optional)	Chemical Engineering Technology Domain Industrial Training	16
ChH-411 ChM-411	Social Sciences / Management Sciences (Elective)	Social Science-II / Management Sciences-II	2+0
ChT-412	Breadth Elective-II(bio technology)	Chemical Engineering Technology Breadth Elective-II	2+1
ChT-413	Breadth Elective-III(dyes & pigments)	Chemical Engineering Technology Breadth Elective-III	2+1
ChT-414	Depth Elective-IV(coatings sealants and adhesives)	Chemical Engineering Technology Depth Elective-IV	2+1
ChT-415	Depth Elective-V(textile processing technology)	Chemical Engineering Technology Depth Elective-V	2+1
ChT-416	Depth Elective-VI(bio chemical technology)	Chemical Engineering Technology Depth Elective-VI	1+1
Subtotal			11+5=16

SEMESTER-VIII			
Suggested Course Codes	Course Title	Knowledge Area/Domain	Credit Hrs. (Th+Lab)
ChT-421	Supervised Industrial Training (Mandatory)	Chemical Engineering Technology Domain Industrial Training	16
Subtotal			0+16= 16
Total Credit Hours & Contact Hours in Four Years (When SIT conducted in both 7 th and 8 th Semester)			73+63 = 136

SCHEME OF STUDIES for MSc Chemical Engineering

Semester 1			
QS-501	Understanding of Holy Quran-I	01	03
ChE-5xx	Core Course-I	03	03
ChE-5xx	Core Course-II	03	03
ChE-5xx	Elective Course-I	03	03
ChE-5xx	Elective Course-II	03	03
TOTAL (Semester-1)		13	15
Semester 2			
QS-502	Understanding of Holy Quran-II	01	03
ChE-5xx	Core Course-III	03	03
ChE-5xx	Core Course-IV	03	03
ChE-5xx	Elective Course-III	03	03
ChE-5xx	Elective Course-IV	03	03
TOTAL (Semester-2)		13	15

SCHEME OF STUDIES for MSc Chemical Engineering

Semester 3			
ChE-699	Thesis	03	09
TOTAL (Semester-3)		03	09
Semester 4			
ChE-699	Thesis	03	09
TOTAL (Semester-4)		03	09
PROGRAM TOTAL		32	48

SCHEME OF STUDIES for PhD Chemical Engineering

Semester 1			
QS-501	Understanding of Holy Quran-I	01	03
ChE-5xx	Elective Course-I	03	03
ChE-5xx	Elective Course-II	03	03
ChE-5xx	Elective Course-III	03	03
TOTAL (Semester-1)		10	12
Semester 2			
QS-502	Understanding of Holy Quran-II	01	03
ChE-5xx	Elective Course -IV	03	03
ChE-5xx	Elective Course -V	03	03
ChE-5xx	Elective Course-VI	03	03
TOTAL (Semester-2)		10	12

SCHEME OF STUDIES for PhD Chemical Engineering

Semester 3			
-	Comprehensive Examination	-	-
TOTAL (Semester-3)		-	-
Semester 4			
ChE-799	Thesis	14	42
TOTAL (Semester-4)		14	42
Semester 5			
ChE-799	Thesis	14	42
TOTAL (Semester-5)		14	42
Semester 6			
ChE-799	Thesis	14	42
TOTAL (Semester-6)		14	42
PROGRAM TOTAL		62	150

SCHEME OF STUDIES For BS Food Engineering**Semester 1**

Course Code	Title of the Course	Credit Hours
FE-111	Introduction to Food Engineering	2 (2-0)
ME-105	Engineering Drawing	1 (0-1)
HU-112	Functional English	2 (2-0)
CS-113	Application of ICT	3(2-1)
CH-114	Applied Chemistry	3(2-1)
HU-115	Ideology and Constitution of Pakistan	2(2-0)
IS/HU-104	Islamic Studies	2(2-0)
MA-100	Mathematics	3(3-0)*
Total Credit hours		15(12-3)

Note: Only for Pre-Medical Students (Compulsory but Non-Credited)

Semester 2

Course Code	Title of the Course	Credit Hours
CH-121	Food Biochemistry	3 (2-1)
MA-301	Calculus and Analytical Geometry	3 (3-0)
HU-123	Expository Writing	3 (3+0)
PHY-106	Applied Physics	3(2-1)
FE-104	Engineering Materials	2(2-0)
FE-223	Material and Energy Balance	3(3-0)
ME-125	Engineering Workshop	1(0-1)
QS-121 / Eth-121	Quran Teaching with translation-I (Compulsory for Muslim Students /Social Ethics-I for Non-Muslim)	1(1+0)
Total Credit hours		19(16-3)

SCHEME OF STUDIES For BS Food Engineering**Semester 3**

Course Code	Title of the Course	Credit Hours
FE-211	Engineering Thermodynamics	4 (3-1)
MA-102	Engineering Mechanics	2 (2-0)
FE-212	Engineering Properties of Food	3(2-1)
FE-213	Fluid Mechanics-I	3(2-1)
FE-214	Unit Operations in Food Engineering-I	4(3-1)
MA-214	Quantitative Reasoning	3(3-0)
Total Credit hours		19(15-4)

Semester 4

Course Code	Title of the Course	Credit Hours
FE-221	Food Process Engineering	2 (2-0)
FE-222	Fluid Mechanics-II	3 (2-1)
MA-220	Linear Algebra and Differential Equations	3(3-0)
FE-311	Heat and Mass Transfer	4(3-1)
CH-122	Food Microbiology	3 (2-1)
FE-22X	Social Science Elective**	2(2-0)
QS-221 / Eth-221	Quran Teaching with translation-II (Compulsory for Muslim Students /Social Ethics-I for Non-Muslim)	1(1+0)
Total Credit hours		18(15-3)

SCHEME OF STUDIES BS Food Engineering**Semester 5**

Course Code	Title of the Course	Credit Hours
CS-310	Computer programming for Engineers	3 (2-1)
FE-311	Bio-Chemical Reaction Engineering	3 (2+1)
FE-224	Unit Operations in Food Engineering-II	4(3-1)
FE-312	Food Processing and Preservation	3(3-0)
FE-31X	Elective-I***	3(3-0)
HU-3XX	Art and Humanities Elective*	2(2-0)
Total Credit hours		18(15-3)

Semester 6

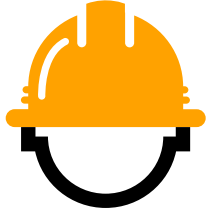
Course Code	Title of the Course	Credit Hours
FE-321	Entrepreneurship	2 (2-0)
FE-322	Food Regulations and Legislation	2 (2-0)
FE-323	Artificial intelligence Applications in Food Industry	3(2-1)
FE-324	Project Management	2(2-0)
FE-325	Separation Processes	3(3-0)
FE-326	Occupational Health and Safety	1(1-0)
HU-301	Civics and Community engagement	2(2-0)
QS-321 / Eth-321	Quran Teaching with translation-III (Compulsory for Muslim Students /Social Ethics-I for Non-Muslim)	1(1+0)
Total Credit hours		16(15-1)

SCHEME OF STUDIES For BS Food Engineering**Semester 7**

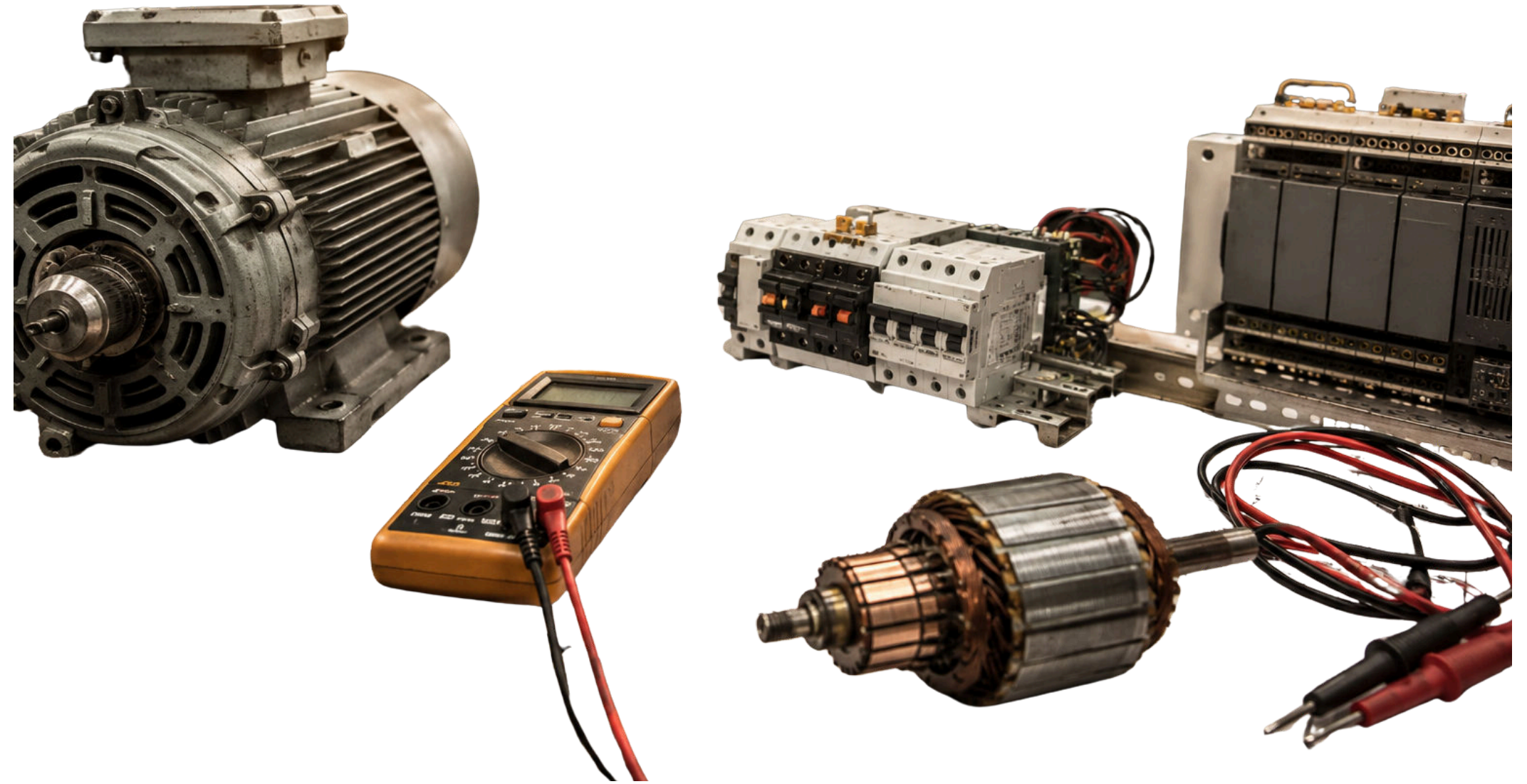
Course Code	Title of the Course	Credit Hours
FE-411	Elective-II****	2 (2-0)
FE-412	Food packaging	3 (2-1)
FE-413	Food Safety and Quality Management	3(3-0)
FE-414	Process Control and Instrumentation	3(2-1)
FE-415	Food Plant Layout and Design	4(3-1)
FE-499a	FYDP (Part-I)	3(0-3)
Total Credit hours		18(12-6)

Semester 8

Course Code	Title of the Course	Credit Hours
FE-421	Transport Phenomenon	3 (3-0)
FE-422	Machine Design for Food Industries	2 (2-0)
FE-423	Food Quality Control	2 (2-0)
FE-424	Manufacturing Excellence	2 (2-0)
FE-425	Utility and Maintenance Management	2 (2-0)
FE-499b	FYDP (Part-II)	3(0-3)
QS-421 / Eth-421	Quran Teaching with translation-IV (Compulsory for Muslim Students /Social Ethics-I for Non-Muslim)	1(1+0)
Total Credit hours		15(12-3)



DEPARTMENT OF ELECTRICAL ENGINEERING AND TECHNOLOGY



INTRODUCTION

The Department of Electrical Engineering at Muhammad Nawaz Sharif University of Engineering and Technology is committed to producing skilled, innovative, and professionally competent engineers capable of addressing modern technological and industrial challenges. Since its establishment, the department has focused on delivering high-quality education, promoting research and innovation, and developing strong industry-academia linkages to contribute towards national development and technological advancement.

Mission

To nurture well-rounded Electrical Engineering professionals through excellence in teaching, research and promoting a culture of entrepreneurship, keeping in mind the ethical, environmental and societal concerns.

Programs Offered

BSc Electrical Engineering
BSc Electrical Engineering Technology
MS Electrical Engineering
PhD Electrical Engineering

FACULTY



Dr. Muhammad Mehran Bashir
Assistant Professor



Dr. Muhammad Shahzad
Assistant Professor



Dr Rooha Masroor
Assistant Professor



Touqeer Ahmad Raza
Lecturer



Muhammad Bilal
Lecturer



Sikandar Saleem
Lecturer



Ayesha Khalid Khan
Lecturer



**Engr. Syed Ahtisham Mehmood
Shah**
Lecturer

PEOs of Electrical Engineering

PEO 1	Apply knowledge and skills to identify and address the solutions of real-world problems pertinent to the field of electrical engineering
PEO 2	Contribute as effective team members and managers in their organization or self-initiated business activity
PEO 3	Demonstrate ethical, moral and socially responsible behavior.

Scheme of Studies for BS Electrical Engineering

Semester 1

Course Code	Course Title	Credit Hours		
		Theory	Lab	
MT-101	Calculus and Analytical Geometry	3	0	Mathematics
PH-101	Applied Physics	2	-	Natural Science
PH-101L	Applied Physics (Lab)	-	1	Natural Science
HU-111	Functional English	3	0	English (Hu)
CS-131	Application of Information and communication technologies	2	-	Basic Computing (Hu)
CS-131L	Application of Information and communication technologies (Lab)	-	1	Basic Computing (Hu)
EE-121	Linear Circuits Analysis	3	-	Engineering Foundation
EE-121L	Linear Circuits Analysis (lab)	-	1	Engineering Foundation
EE-122L	Engineering Drawing	0	1	Engineering Foundation
UQ-110	Understanding of Holy Quran-I	1	-	Quran Teaching
Total Hours		14	4	
		18		

Semester 2

Course Code	Course Title	Credit Hours		
		Theory	Lab	
MT-102	Differential Equation	3	0	Mathematics
EE-123	Electrical Network Analysis	3	-	Engineering Foundation
EE-123L	Electrical Network Analysis (Lab)	-	1	Engineering Foundation
EE-124	Electronics Devices & Circuits	3	-	Engineering Foundation
EE-124L	Electronics Devices & Circuits (Lab)	-	1	Engineering Foundation
EE-125L	Electrical Workshop Practice	0	1	Engineering Foundation
CS-132	Computer Programming	3	-	Adv Computer science
CS-132L	Computer Programming (Lab)	-	1	Adv Computer science
HU-112	Ideology and Constitution of Pakistan	2	0	Culture (Hu)
Total Hours		14	4	
		18		

Scheme of Studies for BS Electrical Engineering

Semester 3

Course Code	Course Title	Credit Hours		
		Theory	Lab	
MT-203	Linear Algebra	3	0	Mathematics
HU-213	Art and Humanities Elective (Communication Skill and Presentation)	2	0	Culture (Hu)
MT-204	Complex variables and Transforms	2	0	Mathematics
CS-233	Data Structure and Algorithms	3	-	Adv Computer science
CS-233L	Data Structure and Algorithms (Lab)	-	1	Adv Computer science
EE-226	Digital Logic Design	3	-	Engineering Foundation
EE-226L	Digital Logic Design (Lab)	-	1	Engineering Foundation
MD-234	Occupational Health and Safety	1	0	Multi-Discipline
UQ-210	Understanding of Holy Quran-II	1	-	Quran Teaching (Hu)
Total Hours		15	2	
		17		

Semester 4

Course Code	Course Title	Credit Hours		
		Theory	Lab	
HU-214	Pakistan Studies	2	0	Social Science (Hu)
MT-105	Natural Science Elective (Numerical Analysis)	3	0	Natural Science
EE-227	Flexible Engg/Non Engg Elective-I (Instrumentation and measurement)	2	-	Flexible/ Core Depth
EE-227L	Flexible Engg/Non Engg Elective-I (Instrumentation and measurement)	-	1	Flexible/ Core Depth
EE-228	Signal and Systems	3	-	Engineering Foundation
EE-228L	Signal and Systems (Lab)	-	1	Engineering Foundation
EE-241	Electrical Machines	3	-	Core Breadth
EE-241L	Electrical Machines (Lab)	-	1	Core Breadth
HU-115	Islamic Studies / Ethics	2	0	Culture (Hu)
Total Hours		15	3	
		18		

Scheme of Studies for BS Electrical Engineering

Semester 5

Course Code	Course Title	Credit Hours		
		Theory	Lab	
EE-342	Electromagnetic Theory	3	0	Engineering Foundation
EE-229	Probability methods in Engineering	3	0	Engineering Foundation
EE-343	Microprocessor and Interfacing	3	-	Core Breadth
EE-343L	Microprocessor and Interfacing (Lab)	-	1	Core Breadth
EE-344	Flexible Engg/Non Engg Elective-II (Power Generation and Transmission)	3	0	Flexible/ Core Depth
EE-344L	Flexible Engg/Non Engg Elective-II (Lab) (Power Generation and Transmission)	-	1	Flexible/ Core Depth
HU-316	Civics and Community Engagement	2	0	Social Science
Total Hours		14	2	
		16		

Semester 6

Course Code	Course Title	Credit Hours		
		Theory	Lab	
HU-317	Expository Writing	3	0	English (Hu)
EE-345	Power Distribution and Utilization	3	0	Core Breadth
EE-346	Linear Control Systems	3	-	Core Breadth
EE-346L	Linear Control Systems (Lab)	-	1	Core Breadth
EE-347	Communication System	3	-	Core Breadth
EE-347L	Communication System (Lab)	-	1	Core Breadth
EE-3XX	Depth Elective Core-I (Power Electronics)	3	-	Core Depth
EE-3XXL	Depth Elective Core-I (Lab) (Power Electronics)	-	1	Core Depth
Total Hours		15	3	
		18		

Scheme of Studies for BS Electrical Engineering

Semester 7

Course Code	Course Title	Credit Hours		
		Theory	Lab	
MNG-411	Project Management	2	0	Natural Science Management
EE-4XX	Depth Elective Core-II (PSA/ECD)	3	1	Core Depth
EE-4XX	Depth Elective-III	3	1	Core Depth
MD-435	MDEE (Optimization Technique)	3	0	Multi-Discipline
EE-499a	FY Design Project (Phase-I)	0	3	FY Design Project
Total Hours		11	5	
		16		

Semester 8

Course Code	Course Title	Credit Hours		
		Theory	Lab	
MNG-412	Entrepreneurship	2	0	Management
EE-4XX	Flexible Engg/Non Engg Elective-III (Industrial Control System)	3	1	Flexible / Core Depth
EE-4XX	Depth Elective-IV	3	0	Core Depth
EE-4XX	Depth Elective-V	3	0	Core Depth
EE-499b	FY Design Project (Phase-II)	0	3	FY Design Project
Total Hours		11	4	
		15		

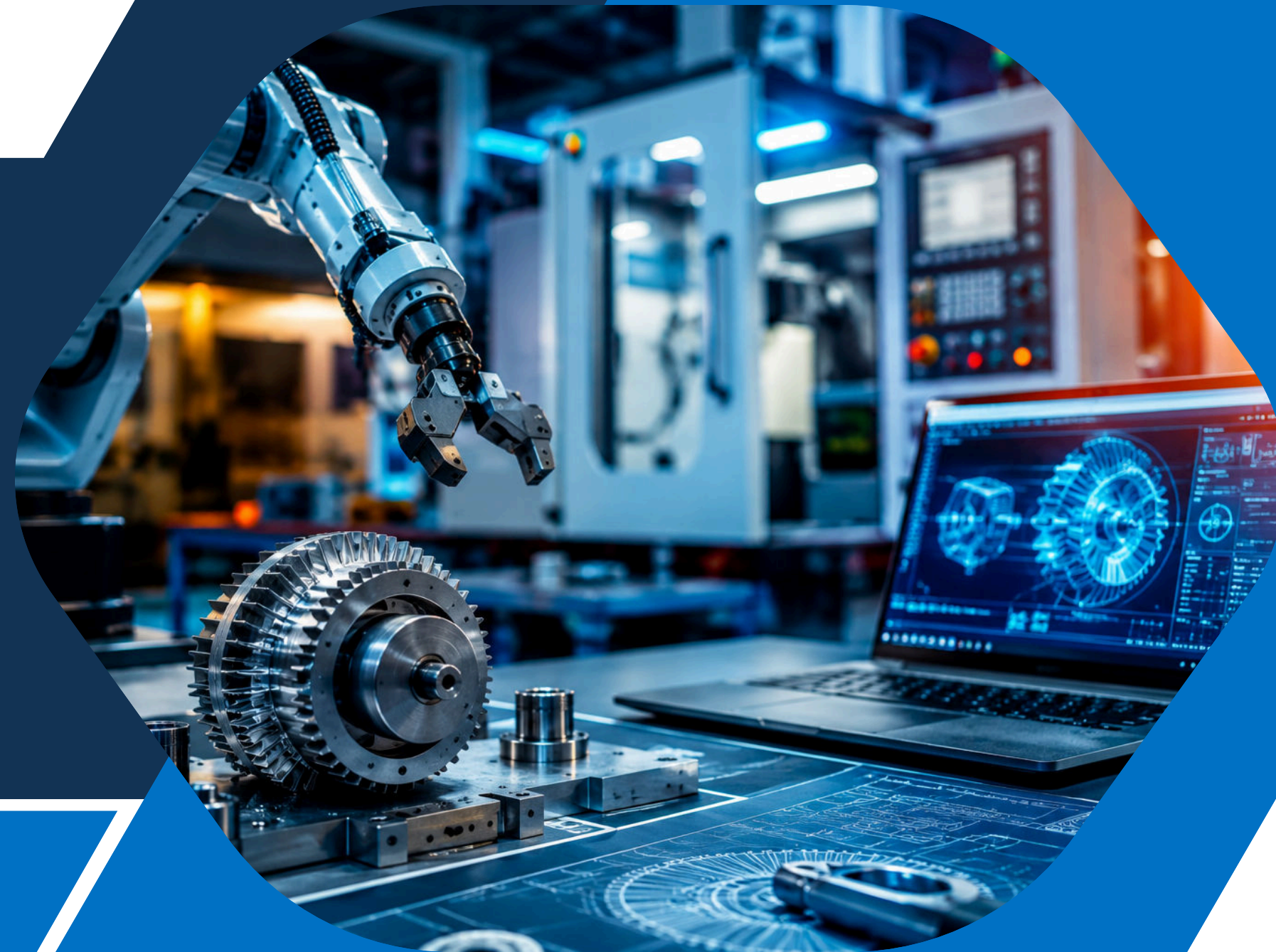
Lab Details

Sr. No.	Name of Laboratory	Lab(s) of Course(s) Conducted in the Lab.
1	Computer Lab I	1. Introduction to computing 2. Programming Fundamental 3. Data Structure 4. Computer Network
2	Electric Machine Lab	1. Electric Machine
3	Digital System Lab	1. DLD 2. Microprocessor 3. DSP
4	Power Electronics	1- Power Electronics
5	Power System Lab	1- Power System Protection 2- Power Transmission & Distribution
6	Control System Lab	1- Control System
7	Industrial Control System	1. Industrial Control System 2. Industrial Electronics
8	FYDP & Workshop	1. FYP 2. Electrical Workshop
9	Electronics Lab	1. Linear Circuit Analysis 2. Network Analysis 3. Electronic Devices & Circuits (I&II) 4. Instrumentation & Measurement
10	Applied Physics	1. Applied Physics
11	Drawing Hall (Shared)	1. Engineering Drawing
12	Computer Lab II (shared)	1. Computer Fundamental 2. Integrated Circuits

Lab Facilities



Mechanical Engineering Technology



Introduction

Nowadays, Mechanical Engineering Technology has become one of the most advanced and rapidly evolving fields in the world. With the rise of artificial intelligence, robotics, automation, renewable energy, and smart manufacturing, mechanical engineers are playing a key role in shaping modern industries and future technologies. From electric vehicles and aerospace systems to automated factories and intelligent machines, this field combines innovation, creativity, and practical engineering solutions to meet the demands of the modern world. Mechanical Engineering Technology provides students with hands-on technical knowledge, advanced design skills, and exposure to cutting-edge technologies, preparing them to become highly skilled professionals capable of contributing to industrial growth, technological advancement, and sustainable development in today's competitive global environment.

Mission

The program aspires to produce Mechanical Engineering Technologists who are skillful, have sound technical knowledge and acquainted with modern tools and techniques to deal with industrial challenges effectively.

Programs Offered

B.Sc Mechanical Engineering Technology – 4 years

PEOs of Mechanical Engineering Technology

PEO-1	The graduates from the program will have technical knowledge and skills as Mechanical Engineering Technologist to pursue career growth successfully.
PEO-2	The graduates will be able to communicate and work well for technical and economic development of country and society and will be able to promote entrepreneurial ideas.
PEO-3	The graduates will be effective technologist with leadership qualities and high professional ethics and team work capacity.

Faculty



Dr. Muhammad Aon Ali
Assistant Professor



Engr. Arbab Shahid
Lecturer



Engr. Saad Ahmad
Lecturer



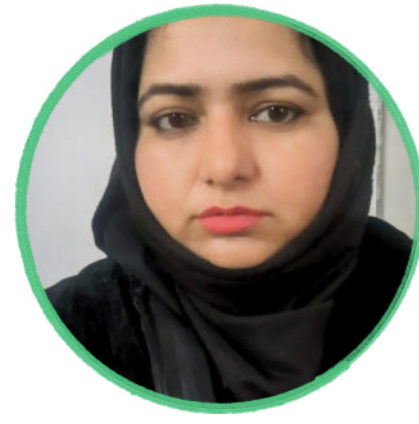
Engr. Muhammad Qaiser Bashir
Lecturer



Engr. Arslan Qasim
Lecturer



Engr. Tasmiya Kousar
Lecturer



Engr. Sania Azam
Lecturer



Engr. Muhammad Umar
Lecturer

Scheme of Studies for BSc Mechanical Engineering Technology

1 ST SEMESTER						
Sr. #	Course Code	Subject	Credit Hours		Contact Hours	
			Theory	Practical	Theory	Practical
1	MET-101	Technical Drawing	1	2	1	6
2	MTH-101	Applied Mathematics-I	3	0	3	0
3	CST-101	Computer Fundamentals and Applications	1	2	1	6
4	ENG-101	Communication Skills	0	1	0	3
5	PHY-104	Applied Physics	2	1	2	3
6	PST-104	Pakistan Studies	2	0	2	0
7	UHQ-110	Understanding of Holy Quran-I / Ethics-I	0	1	0	3
Total			9	7	9	21
Semester Total			16		30	
Cumulative Total			16		30	

2 ND SEMESTER						
Sr. #	Course Code	Subject	Credit Hours		Contact Hours	
			Theory	Practical	Theory	Practical
1	MET-102	Workshop Technology	0	2	0	6
2	MET-103	Engineering Mechanics	3	1	3	3
3	EET-101	Basic Electrical and Electronics	2	1	2	3
4	MTH-102	Applied Mathematics-II	3	0	3	0
5	CHY-104	Applied Chemistry	2	1	2	3
6	IST-104 / HUM-104	Islamic Studies / Ethics	2	0	2	0
Total			12	5	12	15
Semester Total			17		27	
Cumulative Total			33		57	

Scheme of Studies for BSc Mechanical Engineering Technology

3 RD SEMESTER						
Sr. #	Course Code	Subject	Credit Hours		Contact Hours	
			Theory	Practical	Theory	Practical
1	MET-231	Materials Technology	2	0	2	0
2	MET-232	CAD-I	0	2	0	6
3	MET-233	Mechanics of Materials	2	1	2	3
4	MET-234	Thermodynamics for Technologists	3	1	3	3
5	MTH-204	Statistics and Probability	2	0	2	0
6	HUM-204	Technical Report Writing	1	1	1	3
7	UHQ-210	Understanding of Holy Quran-II / Ethics-II	0	1	0	3
Total			10	6	10	18
Semester Total			16		28	
Cumulative Total			49		85	

4 TH SEMESTER						
Sr. #	Course Code	Subject	Credit Hours		Contact Hours	
			Theory	Practical	Theory	Practical
1	MET-241	Fluid Flow Processes	2	1	2	3
2	MET-242	Basic Mechanics of Machines	2	1	2	3
3	MET-243	Machine Design and CAD-II	2	1	2	3
4	MET-244	Manufacturing Technology	2	1	2	3
5	MET-245	Health, Safety and Environment	2	0	2	0
6	HUM-205	Engineering Economics	2	0	2	0
Total			12	4	12	12
Semester Total			16		24	
Cumulative Total			65		109	

Scheme of Studies for BSc Mechanical Engineering Technology

5 TH SEMESTER						
Sr. #	Course Code	Subject	Credit Hours		Contact Hours	
			Theory	Practical	Theory	Practical
1	MET-351	Hydraulic Machinery	2	1	2	3
2	MET-352	HVAC Technology	2	1	2	3
3	MET-353	Instrumentation Technology	2	1	2	3
4	MET-354	Machining Technology	2	1	2	3
5	MET-355	Automotive Technology and Engines	3	1	3	3
6	MET-356	Technical Project (Part I)	0	3	0	9
7	HUM-304	Management and Entrepreneurship	2	0	2	0
Total			13	8	13	24
Semester Total			21		37	
Cumulative Total			86		146	

6 TH SEMESTER						
Sr. #	Course Code	Subject	Credit Hours		Contact Hours	
			Theory	Practical	Theory	Practical
1	MET-361	Heat Transfer	2	1	2	3
2	MET-362	Condition Monitoring and Maintenance	2	1	2	3
3	MET-363	Energy Resources and Management	3	1	3	3
4	MET-364	Power Plants and Thermal Utilities	2	1	2	3
5	MET-365	Total Quality Management	2	0	2	0
6	MET-366	Production and Operations Management	2	0	2	0
7	MET-367	Technical Project (Part II)	0	3	0	9
Total			13	7	13	21
Semester Total			20		34	
Cumulative Total			106		180	

Scheme of Studies for BSc Mechanical Engineering Technology

7 TH SEMESTER						
Sr. #	Course Code	Subject	Credit Hours		Contact Hours	
			Theory	Practical	Theory	Practical
1	MET-471	Supervised Industrial Training	0	16	0	48
Total			0	16	0	48
Semester Total			16		48	
Cumulative Total			122		228	

8 TH SEMESTER						
Sr. #	Course Code	Subject	Credit Hours		Contact Hours	
			Theory	Practical	Theory	Practical
1	MET-482	Supervised Industrial Training	0	16	0	48
Total			0	16	0	48
Semester Total			16		48	
Cumulative Total			138		276	

LABORATORIES



Department of Computer Science



Chairman/HOD Message



Welcome to the Department of Computer Science at MNS University of Engineering and Technology. In an era driven by rapid technological transformation, our department is committed to providing quality education, innovative research opportunities, and industry-oriented learning experiences that prepare students to become future leaders in the field of computing and emerging technologies.

Dr. Muhammad Shehzad

The Department of Computer Science strives to develop highly skilled graduates equipped with strong theoretical foundations, practical expertise, and professional ethics. Our focus extends beyond traditional classroom learning to hands-on training, research, innovation, and problem-solving capabilities aligned with modern industrial and societal needs. With the growing demand for advanced computing technologies, we are proud to expand our academic offerings through the launch of new programs including BS Data Science, BS Internet of Things (IoT). We are working to launch new Graduate programs in MS Computer Science, MS Artificial Intelligence and PhD Computer Science. Graduate programs subjected to NOC from HEC.

Our dedicated faculty members, modern laboratories, and research-oriented environment provide students with opportunities to explore emerging areas such as Artificial Intelligence, Machine Learning, Data Analytics, Cybersecurity, Cloud Computing, and Intelligent Systems. We strongly emphasize academia-industry collaboration, entrepreneurship, and interdisciplinary research to ensure our graduates remain competitive at both national and international levels.

We envision the department as a center of excellence in advanced computing, fostering innovation, creativity, and technological advancement for sustainable socio-economic development. I encourage students to pursue knowledge with passion, integrity, and commitment while actively contributing toward research, innovation, and community development.

I warmly welcome all aspiring students to join our department and become part of a dynamic academic community dedicated to shaping the future of technology and digital transformation.

Introduction

In today's rapidly advancing digital era, Computer Science has emerged as a driving force behind innovation, economic growth, and societal transformation. At the Department of Computer Science, Muhammad Nawaz Sharif University of Engineering and Technology, we are committed to preparing our students to excel in this dynamic and ever-evolving field. Our mission is to develop skilled professionals in computing field who not only possess strong technical expertise but also demonstrate creativity, critical thinking, and ethical responsibility. Aligned with the vision of the Vice Chancellor, our department emphasizes academic excellence, practical learning, and research-driven education. We currently offer undergraduate programs in Computer Science, Artificial Intelligence, Cyber Security, Information Technology and Software Engineering Technology, and are expanding our academic portfolio with new programs including Data Science and Internet of Things. Furthermore, we are proud to initiate postgraduate studies with MS Computer Science and PhD Computer Science that will creating advanced opportunities for research and innovation. Our curriculum integrates emerging technologies such as Artificial Intelligence, Cybersecurity, and Cloud Computing to ensure graduates remain competitive in the global job market. Our highly qualified foreign faculty foster innovation, critical thinking, and hands-on experience through modern laboratories, project-based learning, and strong industry engagement. While the Vice Chancellor's vision focuses on institutional growth and national contribution, our department emphasizes student-centered learning and technical excellence. We also promote ethical values, professionalism, and entrepreneurship, enabling graduates to contribute effectively to society and the digital economy. I invite aspiring students to join our department and become part of a progressive academic community committed to excellence and innovation.

Mission

To empower students with a strong theoretical and practical foundation, fostering deep knowledge in all computing fields through hands-on learning and innovation-driven teaching. To conduct impactful research, cultivate ethical and professional growth, and strengthen academia-industry links to shape future tech leaders, contribute to society, and foster entrepreneurs.

Program Offer

BS Computer Science
BS Artificial Intelligence
BS Cyber Security
BS Information Technology
B.E. Tech. (Software)
BS Data Science
BS Internet of Things

Program Objectives (POs) of BS Computer Science

Sr.#	Statement
PO-1	Demonstrate sound Computer Science knowledge and skill set
PO-2	Execute and manage teamwork, interpersonal skills, and professional growth to develop innovative solutions.
PO-3	Conduct professional practice considering ethical, societal, and environmental aspects.

FACULTY



Dr. Majid Ali Samroo
Lecturer



Dr. Tahir Abbas
Lecturer



Engr. M. Kashan Basit
Lecturer



Sehrish Saleem
Lecturer



Engr. M. Talha Jahangir
Lecturer



Muhammad Yasir Bilal
Lecturer



Zaid Sarfraz
Lecturer



Asim Ali Rao
Lecturer



Abdul Basit
Lecturer



Muhammad Rehman
Lecturer

Scheme of Studies for BS Computer Science

Scheme of Studies 2026 (BS Computer Science)					
SEMESTER-I					
Sr. No	Course Code	COURSE	Domain	Cr. Hr.	Total
1.	MTH-111	Discrete Structures	General Education	3(3+0)	3
2.	ENG-112	Functional English	General Education	3(3+0)	3
3.	GE-113	Applications of Information and Communication Technologies	General Education	2(2+0)	2
4.	GE-113L	Applications of Information and Communication Technologies	General Education	1(0+3)	1
5.	CSC-114	Basic Electronics	General Education	2(2+0)	2
6.	CSC-114L	Basic Electronics	General Education	1(0+1)	1
7.	CSC-115	Programming Fundamentals	Major	3(3+0)	3
8.	CSC-115L	Programming Fundamentals	Major	1(0+3)	1
9.	MTH-116	Calculus & Analytical Geometry	IDS – Mandatory	3(3+0)	3
Only for Pre-Medical Students					
10.	MTH-117	Calculus Fundamentals (Deficiency Course)	GER	0(3+0)	0
Total Credits (19)					
SEMESTER-II					
Sr. No	Course Code	COURSE	Domain	Cr. Hr.	Total
1.	MTH-121	Graph Theory	General Education	3(3+0)	3
2.	GE-122	Pakistan Studies	General Education	2 (2+0)	2
3.	UHQ-123	Understanding of Holy Quran-I/Ethics-I	General Education	1(3+0)	1
4.	CSC-124	Object Oriented Programming	Major	3(3+0)	3
5.	CSC-124L	Object Oriented Programming	Major	1(0+3)	1
6.	CSC-125	Digital Logic Design	Major	3(3+0)	3
7.	CSC-125L	Digital Logic Design	Major	1(0+3)	1
8.	MTH-126	Linear Algebra	IDS - Mandatory	(3+0)	3
Only for Pre-Medical Students					
9.	MTH-127	Basics of Algebra and Trigonometry (Deficiency Course)	GER	0(3+0)	0
Total Credits (17)					

Scheme of Studies for BS Computer Science

SEMESTER-III					
Sr. No	Course Code	COURSE	Domain	Cr. Hr.	Total
1.	ENG-231	Expository Writing	General Education	3(3+0)	3
2.	GA-232	Introduction to Management	General Education	2(2+0)	2
3.	UHQ-233	Understanding of Holy Quran-II/Ethics-II	General Education	1(3+0)	1
4.	CSC-234	Data Structures	Major	3(3+0)	3
5.	CSC-234L	Data Structures	Major	1(0+3)	1
6.	CSC-235	Database Systems	Major	3(3+0)	3
7.	CSC-235L	Database Systems	Major	1(0+3)	1
8.	CSC-236	Operating Systems	Major	3(3+0)	3
9.	CSC-236L	Operating Systems	Major	1(0+3)	1
					Total Credits (18)
SEMESTER-IV					
Sr. No	Course Code	COURSE	Domain	Cr. Hr.	Total
1.	GE-241	Civics and Community Engagement	General Education	2(2+0)	2
2.	GE-242	Ideology and Constitution of Pakistan	General Education	2(2+0)	2
3.	GE-243	Entrepreneurship	General Education	2(2+0)	2
4.	GE-244	Islamic Studies / Ethics	General Education	2(2+0)	2
5.	CSC-245	Software Engineering	Major	3(3+0)	3
6.	CSC-246	Computer Organization & Architecture	Major	2(2+0)	2
7.	CSC-246L	Computer Organization & Architecture	Major	1(0+1)	1
8.	CSC-247	Design & Analysis of Algorithms	Major	3(3+0)	3
9.	ENG-248	Technical & Business Writing	General Education	2(2+0)	2
					Total Credits (19)

Scheme of Studies for BS Computer Science

SEMESTER-V					
Sr. No	Course Code	COURSE	Domain	Cr. Hr.	Total
1.	CSC-351	Computer Networks	Major	2 (2+0)	2
2.	CSC-351L	Computer Networks	Major	1 (0+1)	1
3.	CSC-352	Information Security	Major	2 (2+0)	2
4.	CSC-352L	Information Security	Major	1 (0+1)	1
5.	CSC-353	Artificial Intelligence	Major	2 (2+0)	2
6.	CSC-353L	Artificial Intelligence	Major	1 (0+1)	1
7.	CSC-354	Theory of Automata	Major	3 (3+0)	3
8.	MTH-355	Probability & Statistics	IDS	3 (3+0)	3
9.	GA-35X	IDS - IV	IDS	3 (3+0)	3
					Total Credits (18)
SEMESTER-VI					
Sr. No	Course Code	COURSE	Domain	Cr. Hr.	Total
1.	CSC-361	Cloud Computing	Major	2 (2+0)	2
2.	CSC-361L	Cloud Computing	Major	1 (0+1)	1
3.	CSE-36X	Elective-I	Major	3/2+1	3
4.	CSE-36X	Elective-II	Major	3/2+1	3
5.	CSE-36X	Elective-III	Major	3/3+1	3
6.	CSE-36X	Elective-IV	Major	3/2+1	3/2+1
					Total Credits (15)

Scheme of Studies for BS Computer Science

SEMESTER- VII					
Sr. No	Course Code	COURSE	Domain	Cr. Hr.	Total
1.	CSE-47X	Elective-V	Major	3/2+1	3
2.	CSE-47X	Elective-VI	Major	3/2+1	3
3.	CSE-47X	Elective-VII	Major	3/2+1	3
4.	CSE-47X	Elective-VIII	Major	3/2+1	3
5.	CSC-479	Professional Certification	Certification	3	3
					Total Credits (15)
SEMESTER- VIII					
Sr. No	Course Code	COURSE	Domain	Cr. Hr.	Total
1.	FYDP-481	Final Year Design Project	Capstone Project	6	6
2.	ITNG-482	Field Experience	Field Experience	3	3
					Total Credits (9)
Total Credit Hours: 130					

Scheme of Studies for BS Artificial Intelligence

Scheme of Studies 2026 (BS Artificial Intelligence)					
SEMESTER-I					
Sr. No	Course Code	COURSE	Domain	Cr. Hr.	Total
1.	MTH-111	Discrete Structures	General Education	3(3+0)	3
2.	ENG-112	Functional English	General Education	3(3+0)	3
3.	GE-113	Applications of Information and Communication Technologies	General Education	2(2+0)	2
4.	GE-113L	Applications of Information and Communication Technologies	General Education	1(0+3)	1
5.	CSC-114	Basic Electronics	General Education	2(2+0)	2
6.	CSC-114L	Basic Electronics	General Education	1(0+1)	1
7.	CSC-115	Programming Fundamentals	Major	3(3+0)	3
8.	CSC-115L	Programming Fundamentals	Major	1(0+3)	1
9.	MTH-116	Calculus & Analytical Geometry	IDS – Mandatory	3(3+0)	3
10.	MTH-117	Calculus Fundamentals (Deficiency Course)	GER	0(3+0)	0

SEMESTER-II					
Sr. No	Course Code	COURSE	Domain	Cr. Hr.	Total
1.	MTH-121	Graph Theory	General Education	3(3+0)	3
2.	GE-122	Pakistan Studies	General Education	2(2+0)	2
3.	UHQ-123	Understanding of Holy Quran-I/Ethics-I	General Education	1(3+0)	1
4.	CSC-124	Object Oriented Programming	Major	3(3+0)	3
5.	CSC-124L	Object Oriented Programming	Major	1(0+3)	1
6.	CSC-125	Digital Logic Design	Major	3(3+0)	3
7.	CSC-125L	Digital Logic Design	Major	1(0+3)	1
8.	MTH-126	Linear Algebra	IDS - Mandatory	3(3+0)	3
9.	MTH-127	Basics of Algebra and Trigonometry (Deficiency Course)	GER	0(3+0)	0

Scheme of Studies for BS Artificial Intelligence

SEMESTER-III					
Sr. No	Course Code	COURSE	Domain	Cr. Hr.	Total
1.	ENG-231	Expository Writing	General Education	3(3+0)	3
2.	GA-232	Introduction to Management	General Education	2(2+0)	2
3.	UHQ-233	Understanding of Holy Quran-II/Ethics-II	General Education	1(3+0)	1
4.	CSC-234	Data Structures	Major	3(3+0)	3
5.	CSC-234L	Data Structures	Major	1(0+3)	1
6.	CSC-235	Database Systems	Major	3(3+0)	3
7.	CSC-235L	Database Systems	Major	1(0+3)	1
8.	CSC-236	Operating Systems	Major	3(3+0)	3
9.	CSC-236L	Operating Systems	Major	1(0+3)	1

SEMESTER-IV					
Sr. No	Course Code	COURSE	Domain	Cr. Hr.	Total
1.	GE-241	Civics and Community Engagement	General Education	2(2+0)	2
2.	GE-242	Ideology and Constitution of Pakistan	General Education	2(2+0)	2
3.	GE-243	Entrepreneurship	General Education	2(2+0)	2
4.	GE-244	Islamic Studies/Ethics	General Education	2(2+0)	2
5.	CSC-245	Software Engineering	Major	3(3+0)	3
6.	CSC-246	Computer Organization & Architecture	Major	2(2+0)	2
7.	CSC-246L	Computer Organization & Architecture	Major	1(0+1)	1
8.	CSC-247	Design & Analysis of Algorithms	Major	3(3+0)	3
9.	ENG-248	Technical & Business Writing	General Education	2(2+0)	2

Scheme of Studies for BS Artificial Intelligence

SEMESTER-V					
Sr. No	Course Code	COURSE	Domain	Cr. Hr.	Total
1.	CSC-351	Computer Networks	Major	2 (2+0)	2
2.	CSC-351L	Computer Networks	Major	1 (0+1)	1
3.	CSC-352	Information Security	Major	2 (2+0)	2
4.	CSC-352L	Information Security	Major	1 (0+1)	1
5.	CSC-353	Artificial Intelligence	Major	2 (2+0)	2
6.	CSC-353L	Artificial Intelligence	Major	1 (0+1)	1
7.	CSC-354	Theory of Automata	Major	3 (3+0)	3
8.	MTH-355	Probability & Statistics	IDS	3 (3+0)	3
9.	GA-35X	IDS - IV	IDS	3 (3+0)	3

SEMESTER-VI					
Sr. No	Course Code	COURSE	Domain	Cr. Hr.	Total
1.	CSC-361	Cloud Computing	Major	2 (2+0)	2
2.	CSC-361L	Cloud Computing	Major	1 (0+1)	1
3.	AIE-3XX	Elective-I	Major	3(2+1)	3
4.	AIE-3XX	Elective-II	Major	3(2+1)	3
5.	AIE-3XX	Elective-III	Major	3(3+0)	3
6.	AIE-3XX	Elective-IV	Major	3(2+1)	3(2+1)

Scheme of Studies for BS Artificial Intelligence

SEMESTER VII					
Sr. No	Course Code	COURSE	Domain	Cr. Hr.	Total
1.	AIE-47X	Elective-V	Major	3/2+1	3
2.	AIE-47X	Elective-VI	Major	3/2+1	3
3.	AIE-47X	Elective-VII	Major	3/2+1	3
4.	AIE-47X	Elective-VIII	Major	3/2+1	3
5.	AIC-479	Professional Certification	Certification	3	3

SEMESTER-VIII					
Sr. No	Course Code	COURSE	Domain	Cr. Hr.	Total
1.	FYDP-481	Final Year Design Project	Capstone Project	6	6
2.	ITNG-482	Field Experience	Field Experience	3	3

Scheme of Studies for B.E. Tech. (Software)

SEMESTER – I					
Sr.	Course Code	Course	Domain	Cr. Hr.	Total
1	SOE-111	Functional English	Expository Writing-I	3(3-0)	3
2	SOQ-112	Probability & Statistics	Quantitative Reasoning-II	3(3-0)	3
3	SON-113	Applied Physics	Natural Science-I	2(2-0)	2
4	SON-113L	Applied Physics (Lab)	Natural Science-I	1(0-3)	1
5	SOC-114	Application of Information & Communication Technologies	Computing-I	2(2-0)	2
6	SOC-114L	Application of Information & Communication Technologies (Lab)	Computing-I	1(0-3)	1
7	SOC-115	Programming Fundamentals	Computing-II	3(3-0)	3
8	SOC-115L	Programming Fundamentals (Lab)	Computing-II	1(0-3)	1
9	UHQ-101	Understanding of Holy Quran-I / Ethics-I	Civilization-II	1(3-0)	1
-	MTH-101	Calculus Fundamentals (Deficiency Course)	General Education Req.	0(3-0)	0
Subtotal					17

SEMESTER – II					
Sr.	Course Code	Course	Domain	Cr. Hr.	Total
1	SOH-121	Islamic Studies / Ethics	Civilization-I	2(2-0)	2
2	SOE-122	Expository Writing	Expository Writing-II	3(3-0)	3
3	SOQ-123	Discrete Structures	Quantitative Reasoning-III	3(3-0)	3
4	SOT-124	Software Configuration Management Technologies	SE Technology Foundation-I	1(1-0)	1
5	SOT-124L	Software Configuration Management Technologies (Lab)	SE Technology Foundation-I	1(0-3)	1
6	SOT-125	Object Oriented Programming	SE Technology Foundation-II	3(3-0)	3
7	SOT-125L	Object Oriented Programming (Lab)	SE Technology Foundation-II	1(0-3)	1
8	SOT-126	Software Development Life Cycle	SE Technology Foundation-III	3(3-0)	3
-	MTH-102	Basics of Algebra and Trigonometry (Deficiency Course)	General Education Req.	0(3-0)	0
Subtotal					17

Scheme of Studies for B.E. Tech. (Software)

SEMESTER - III					
Sr.	Course Code	Course	Domain	Cr. Hr.	Total
1	SOS-231	Professional Practices	Social Science	2(2-0)	2
2	SOT-232	Data Structures	SE Technology Foundation-IV	3(3-0)	3
3	SOT-232L	Data Structures (Lab)	SE Technology Foundation-IV	1(0-3)	1
4	SOT-233	Software Requirements and Design	SE Technology Foundation-V	2(2-0)	2
5	SOT-233L	Software Requirements and Design (Lab)	SE Technology Foundation-V	1(0-3)	1
6	SOQ-234	Calculus and Analytic Geometry	Quantitative Reasoning-I	3(3-0)	3
7	SOT-235	Web Development Technologies	SE Technology Breadth-I	2(2-0)	2
8	SOT-235L	Web Development Technologies (Lab)	SE Technology Breadth-I	1(0-3)	1
9	SOM-236	IDE-I	Interdisciplinary Electives-1 (Social Sciences)	3(3-0)	3
Subtotal					18
SEMESTER - IV					
Sr.	Course Code	Course	Domain	Cr. Hr.	Total
1	SOT-241	Database Systems	SE Technology Foundation-VI	2(2-0)	2
2	SOT-242L	Database Systems (Lab)	SE Technology Foundation-VI	1(0-3)	1
3	SOT-243	Software Operations and Maintenance	SE Technology Breadth-II	2(2-0)	2
4	SOT-243L	Software Operations and Maintenance (Lab)	SE Technology Breadth-II	1(0-3)	1
5	SOT-244	Software Testing Technologies	SE Technology Foundation-VII	2(2-0)	2
6	SOT-244L	Software Testing Technologies (Lab)	SE Technology Foundation-VII	1(0-3)	1
7	SOT-245	Operating Systems	SE Technology Depth-I	2(2-0)	2
8	SOT-245L	Operating Systems (Lab)	SE Technology Depth-I	1(0-3)	1
9	SOT-246	Breadth Elective-I	SE Technology Breadth-III	2(2-0)	2
10	SOT-247L	Breadth Elective-I (Lab)	SE Technology Breadth-III	1(0-3)	1
11	SOS-248	IDE-II	Interdisciplinary Electives-2 (Management)	3(3-0)	3
Subtotal					18

Scheme of Studies for B.E. Tech. (Software)

SEMESTER – V					
Sr.	Course Code	Course	Domain	Cr. Hr.	Total
1	SOE-351	Technical & Business Writing	Expository Writing-III	2(2-0)	2
2	SOT-352	Software Project Management	SE Technology Breadth-IV	1(1-0)	1
3	SOT-352L	Software Project Management (Lab)	SE Technology Breadth-IV	1(0-3)	1
4	SOH-353	Ideology and Constitution of Pakistan	Civilization-III	2(2-0)	2
5	SOT-354	Computer Networks	SE Technology Depth-II	2(2-0)	2
6	SOT-354L	Computer Networks (Lab)	SE Technology Depth-II	1(0-3)	1
7	SOT-355	Final Year Design Project-I	SE Technology Domain Project	3(0-9)	3
8	SOT-356	Breadth Elective-II	SE Technology Breadth-VI	2(2-0)	2
9	SOT-356L	Breadth Elective-II (Lab)	SE Technology Breadth-VI	1(0-3)	1
10	SOI-357	IDTE-I	Interdisciplinary Technology Elective	1(1-0)	1
11	SOI-357L	IDTE-I (Lab)	Interdisciplinary Technology Elective	1(0-3)	1
12	UHQ-302	Understanding of Holy Quran-II / Ethics-II	Civilization	1(3-0)	1
Subtotal					18

SEMESTER – VI					
Sr.	Course Code	Course	Domain	Cr. Hr.	Total
1	SOT-361	Information Security	SE Technology Breadth-V	2(2-0)	2
2	SOM-362	Entrepreneurship	Interdisciplinary Distribution	2(2-0)	2
3	SOT-363	Final Year Design Project-II	SE Technology Domain Project	3(0-9)	3
4	SOT-364	Depth Elective-I	SE Technology Depth-III	2(2-0)	2
5	SOT-364L	Depth Elective-I (Lab)	SE Technology Depth-III	1(0-3)	1
6	SOT-365	Depth Elective-II	SE Technology Depth-IV	2(2-0)	2
7	SOT-365L	Depth Elective-II (Lab)	SE Technology Depth-IV	1(0-3)	1
8	SOT-366	Depth Elective-III	SE Technology Depth-V	2(2-0)	2
9	SOT-366L	Depth Elective-III (Lab)	SE Technology Depth-V	1(0-3)	1
10	SOI-367	IDTE-II	Interdisciplinary Technology Elective-II	1(1-0)	1
11	SOI-367L	IDTE-II (Lab)	Interdisciplinary Technology Elective-II	1(0-3)	1
Subtotal					18

Scheme of Studies for B.E. Tech. (Software)

SEMESTER – VII					
Sr.	Course Code	Course	Domain	Cr. Hr.	Total
1	SIT-471	Supervised Industrial Training-I	SE Technology Domain Industrial Training	16(0-16), 40 hrs/week	16
Subtotal					16
SEMESTER – VIII					
Sr.	Course Code	Course	Domain	Cr. Hr.	Total
1	SIT-481	Supervised Industrial Training-II	SE Technology Domain Industrial Training	16(0-16), 40 hrs/week	16
Subtotal					16

Total Credit Hours = 138

Scheme of Studies for BS Data Science

Scheme of Studies 2026 (BS Data Science)					
SEMESTER-I					
Sr. No	Course Code	COURSE	Domain	Cr. Hr.	Total
1.	MTH-111	Discrete Structures	General Education	3(3+0)	3
2.	ENG-112	Functional English	General Education	3(3+0)	3
3.	GE-113	Applications of Information and Communication Technologies	General Education	2(2+0)	2
4.	GE-113L	Applications of Information and Communication Technologies	General Education	1(0+3)	1
5.	CSC-114	Basic Electronics	General Education	2(2+0)	2
6.	CSC-114L	Basic Electronics	General Education	1(0+1)	1
7.	CSC-115	Programming Fundamentals	Major	3(3+0)	3
8.	CSC-115L	Programming Fundamentals	Major	1(0+3)	1
9.	MTH-116	Calculus & Analytical Geometry	IDS – Mandatory	3(3+0)	3
Only for Pre-Medical Students					
10.	MTH-117	Calculus Fundamentals (Deficiency Course)	GER	0(3+0)	0
Total Credits (19)					
SEMESTER-II					
Sr. No	Course Code	COURSE	Domain	Cr. Hr.	Total
1.	MTH-121	Graph Theory	General Education	3(3+0)	3
2.	GE-122	Pakistan Studies	General Education	2 (2+0)	2
3.	UHQ-123	Understanding of Holy Quran-I/Ethics-I	General Education	1(3+0)	1
4.	CSC-124	Object Oriented Programming	Major	3(3+0)	3
5.	CSC-124L	Object Oriented Programming	Major	1(0+3)	1
6.	CSC-125	Digital Logic Design	Major	3(3+0)	3
7.	CSC-125L	Digital Logic Design	Major	1(0+3)	1
8.	MTH-126	Linear Algebra	IDS - Mandatory	(3+0)	3
Only for Pre-Medical Students					
9.	MTH-127	Basics of Algebra and Trigonometry (Deficiency Course)	GER	0(3+0)	0
Total Credits (17)					

Scheme of Studies for BS Data Science

SEMESTER-III					
Sr. No	Course Code	COURSE	Domain	Cr. Hr.	Total
1.	ENG-231	Expository Writing	General Education	3(3+0)	3
2.	GA-232	Introduction to Management	General Education	2(2+0)	2
3.	UHQ-233	Understanding of Holy Quran-II/Ethics-II	General Education	1(3+0)	1
4.	CSC-234	Data Structures	Major	3(3+0)	3
5.	CSC-234L	Data Structures	Major	1(0+3)	1
6.	CSC-235	Database Systems	Major	3(3+0)	3
7.	CSC-235L	Database Systems	Major	1(0+3)	1
8.	CSC-236	Operating Systems	Major	3(3+0)	3
9.	CSC-236L	Operating Systems	Major	1(0+3)	1
					Total Credits (18)
SEMESTER-IV					
Sr. No	Course Code	COURSE	Domain	Cr. Hr.	Total
1.	GE-241	Civics and Community Engagement	General Education	2(2+0)	2
2.	GE-242	Ideology and Constitution of Pakistan	General Education	2(2+0)	2
3.	GE-243	Entrepreneurship	General Education	2(2+0)	2
4.	GE-244	Islamic Studies / Ethics	General Education	2(2+0)	2
5.	CSC-245	Software Engineering	Major	3(3+0)	3
6.	CSC-246	Computer Organization & Architecture	Major	2(2+0)	2
7.	CSC-246L	Computer Organization & Architecture	Major	1(0+1)	1
8.	CSC-247	Design & Analysis of Algorithms	Major	3(3+0)	3
9.	ENG-248	Technical & Business Writing	General Education	2(2+0)	2
					Total Credits (19)

Scheme of Studies for BS Data Science

SEMESTER-V					
Sr. No	Course Code	COURSE	Domain	Cr. Hr.	Total
1.	CSC-351	Computer Networks	Major	2 (2+0)	2
2.	CSC-351L	Computer Networks	Major	1 (0+1)	1
3.	CSC-352	Information Security	Major	2 (2+0)	2
4.	CSC-352L	Information Security	Major	1 (0+1)	1
5.	CSC-353	Artificial Intelligence	Major	2 (2+0)	2
6.	CSC-353L	Artificial Intelligence	Major	1 (0+1)	1
7.	CSC-354	Theory of Automata	Major	3 (3+0)	3
8.	MTH-355	Probability & Statistics	IDS	3 (3+0)	3
9.	GA-35X	IDS - IV	IDS	3 (3+0)	3
					Total Credits (18)
SEMESTER-VI					
Sr. No	Course Code	COURSE	Domain	Cr. Hr.	Total
1.	CSC-361	Cloud Computing	Major	2 (2+0)	2
2.	CSC-361L	Cloud Computing	Major	1 (0+1)	1
3.	DSE-36X	Elective-I	Major	3/2+1	3
4.	DSE-36X	Elective-II	Major	3/2+1	3
5.	DSE-36X	Elective-III	Major	3/3+1	3
6.	DSE-36X	Elective-IV	Major	3/2+1	3/2+1
					Total Credits (15)

Scheme of Studies for BS Data Science

SEMESTER- VII					
Sr. No	Course Code	COURSE	Domain	Cr. Hr.	Total
1.	DSE-47X	Elective-V	Major	3/2+1	3
2.	DSE-47X	Elective-VI	Major	3/2+1	3
3.	DSE-47X	Elective-VII	Major	3/2+1	3
4.	DSE-47X	Elective-VIII	Major	3/2+1	3
5.	CSC-479	Professional Certification	Certification	3	3
					Total Credits (15)
SEMESTER- VIII					
Sr. No	Course Code	COURSE	Domain	Cr. Hr.	Total
1.	FYDP-481	Final Year Design Project	Capstone Project	6	6
2.	ITNG-482	Field Experience	Field Experience	3	3
					Total Credits (9)

Scheme of Studies for BS Cyber Security

Scheme of Studies 2026 (BS Cyber Security)					
SEMESTER-I					
Sr No	Course Code	COURSE	Domain	Cr. Hr.	Total
1.	MTH-111	Discrete Structures	General Education	3(3+0)	3
2.	ENG-112	Functional English	General Education	3(3+0)	3
3.	GE-113	Applications of Information and Communication Technologies	General Education	2(2+0)	2
4.	GE-113L	Applications of Information and Communication Technologies	General Education	1(0+1)	1
5.	CSC-114	Basic Electronics	General Education	2(2+0)	2
6.	CSC-114L	Basic Electronics	General Education	1(0+1)	1
7.	CSC-115	Programming Fundamentals	Major	3(3+0)	3
8.	CSC-115L	Programming Fundamentals	Major	1(0+3)	1
9.	MTH-116	Calculus & Analytical Geometry	IDS – Mandatory	3(3+0)	3
		Only for Pre-Medical Students			
10.	MTH-117	Calculus Fundamentals (Deficiency Course)	GER	0(3+0)	0
				Total Credits (19)	

SEMESTER-II					
Sr No	Course Code	COURSE	Domain	Cr. Hr.	Total
1.	MTH-121	Graph Theory	General Education	3(3+0)	3
2.	GE-122	Pakistan Studies	General Education	2 (2+0)	2
3.	UHQ-123	Understanding of Holy Quran-I/Ethics-I	General Education	1(3+0)	1
4.	CSC-124	Object Oriented Programming	Major	3(3+0)	3
5.	CSC-124L	Object Oriented Programming	Major	1(0+3)	1
6.	CSC-125	Digital Logic Design	Major	3(3+0)	3
7.	CSC-125L	Digital Logic Design	Major	1(0+3)	1
8.	MTH-126	Linear Algebra	IDS - Mandatory	(3+0)	3
		Only for Pre-Medical Students			
9.	MTH-127	Basics of Algebra and Trigonometry (Deficiency Course)	GER	0(3+0)	0
				Total Credits (17)	

Scheme of Studies for BS Cyber Security

SEMESTER-III					
Sr No	Course Code	COURSE	Domain	Cr. Hr.	Total
1.	ENG-231	Expository Writing	General Education	3(3+0)	3
2.	GA-232	Introduction to Management	General Education	2(2+0)	2
3.	UHQ-233	Understanding of Holy Quran-II/Ethics-II	General Education	1(3+0)	1
4.	CSC-234	Data Structures	Major	3(3+0)	3
5.	CSC-234L	Data Structures	Major	1(0+3)	1
6.	CSC-235	Database Systems	Major	3(3+0)	3
7.	CSC-235L	Database Systems	Major	1(0+3)	1
8.	CSC-236	Operating Systems	Major	3(3+0)	3
9.	CSC-236L	Operating Systems	Major	1(0+3)	1
				Total	Credits (18)

SEMESTER-IV					
Sr No	Course Code	COURSE	Domain	Cr. Hr.	Total
1.	GE-241	Civics and Community Engagement	General Education	2(2+0)	2
2.	GE-242	Ideology and Constitution of Pakistan	General Education	2(2+0)	2
3.	GE-243	Entrepreneurship	General Education	2(2+0)	2
4.	GE-244	Islamic Studies / Ethics	General Education	2(2+0)	2
5.	CSC-245	Software Engineering	Major	3(3+0)	3
6.	CSC-246	Computer Organization & Architecture	Major	2(2+0)	2
7.	CSC-246L	Computer Organization & Architecture	Major	1(0+1)	1
8.	CSC-247	Design & Analysis of Algorithms	Major	3(3+0)	3
9.	ENG-248	Technical & Business Writing	General Education	2(2+0)	2
				Total	Credits (19)

Scheme of Studies for BS Cyber Security

SEMESTER-III					
Sr No	Course Code	COURSE	Domain	Cr. Hr.	Total
1.	ENG-231	Expository Writing	General Education	3(3+0)	3
2.	GA-232	Introduction to Management	General Education	2(2+0)	2
3.	UHQ-233	Understanding of Holy Quran-II/Ethics-II	General Education	1(3+0)	1
4.	CSC-234	Data Structures	Major	3(3+0)	3
5.	CSC-234L	Data Structures	Major	1(0+3)	1
6.	CSC-235	Database Systems	Major	3(3+0)	3
7.	CSC-235L	Database Systems	Major	1(0+3)	1
8.	CSC-236	Operating Systems	Major	3(3+0)	3
9.	CSC-236L	Operating Systems	Major	1(0+3)	1
				Total	Credits (18)

SEMESTER-IV					
Sr No	Course Code	COURSE	Domain	Cr. Hr.	Total
1.	GE-241	Civics and Community Engagement	General Education	2(2+0)	2
2.	GE-242	Ideology and Constitution of Pakistan	General Education	2(2+0)	2
3.	GE-243	Entrepreneurship	General Education	2(2+0)	2
4.	GE-244	Islamic Studies / Ethics	General Education	2(2+0)	2
5.	CSC-245	Software Engineering	Major	3(3+0)	3
6.	CSC-246	Computer Organization & Architecture	Major	2(2+0)	2
7.	CSC-246L	Computer Organization & Architecture	Major	1(0+1)	1
8.	CSC-247	Design & Analysis of Algorithms	Major	3(3+0)	3
9.	ENG-248	Technical & Business Writing	General Education	2(2+0)	2
				Total	Credits (19)

Scheme of Studies for BS Cyber Security

SEMESTER-VII					
Sr. No	Course Code	COURSE	Domain	Cr. Hr.	Total
1.	CYE-47X	Elective-V	Major	3/2+1	3
2.	CYE-47X	Elective-VI	Major	3/2+1	3
3.	CYE-47X	Elective-VII	Major	3/2+1	3
4.	CYE-47X	Elective-VIII	Major	3/2+1	3
5.	CSC-479	Professional Certification	Certification	3	3
			Total Credits (15)		

SEMESTER-VIII					
Sr. No	Course Code	COURSE	Domain	Cr. Hr.	Total
1.	FYDP-481	Final Year Design Project	Capstone Project	6	6
2.	ITNG-482	Field Experience	Field Experience	3	3
			Total Credits (9)		

Total Credit Hours: 130

Scheme of Studies for BS IOT

Scheme of Studies 2026 (Internet of Things)					
SEMESTER-I					
Sr. No	Course Code	COURSE	Domain	Cr. Hr.	Total
1.	MTH-111	Discrete Structures	General Education	3(3+0)	3
2.	ENG-112	Functional English	General Education	3(3+0)	3
3.	GE-113	Applications of Information and Communication Technologies	General Education	2(2+0)	2
4.	GE-113L	Applications of Information and Communication Technologies	General Education	1(0+3)	1
5.	CSC-114	Basic Electronics	General Education	2(2+0)	2
6.	CSC-114L	Basic Electronics	General Education	1(0+1)	1
7.	CSC-115	Programming Fundamentals	Major	3(3+0)	3
8.	CSC-115L	Programming Fundamentals	Major	1(0+3)	1
9.	MTH-116	Calculus & Analytical Geometry	IDS – Mandatory	3(3+0)	3
Only for Pre-Medical Students					
10.	MTH-117	Calculus Fundamentals (Deficiency Course)	GER	0(3+0)	0
Total Credits (19)					
SEMESTER-II					
Sr. No	Course Code	COURSE	Domain	Cr. Hr.	Total
1.	MTH-121	Graph Theory	General Education	3(3+0)	3
2.	GE-122	Pakistan Studies	General Education	2 (2+0)	2
3.	UHQ-123	Understanding of Holy Quran-I/Ethics-I	General Education	1(3+0)	1
4.	CSC-124	Object Oriented Programming	Major	3(3+0)	3
5.	CSC-124L	Object Oriented Programming	Major	1(0+3)	1
6.	CSC-125	Digital Logic Design	Major	3(3+0)	3
7.	CSC-125L	Digital Logic Design	Major	1(0+3)	1
8.	MTH-126	Linear Algebra	IDS - Mandatory	(3+0)	3
Only for Pre-Medical Students					
9.	MTH-127	Basics of Algebra and Trigonometry (Deficiency Course)	GER	0(3+0)	0
Total Credits (17)					

Scheme of Studies for BS IOT

SEMESTER-III					
Sr. No	Course Code	COURSE	Domain	Cr. Hr.	Total
1.	ENG-231	Expository Writing	General Education	3(3+0)	3
2.	GA-232	Introduction to Management	General Education	2(2+0)	2
3.	UHQ-233	Understanding of Holy Quran-II/Ethics-II	General Education	1(3+0)	1
4.	CSC-234	Data Structures	Major	3(3+0)	3
5.	CSC-234L	Data Structures	Major	1(0+3)	1
6.	CSC-235	Database Systems	Major	3(3+0)	3
7.	CSC-235L	Database Systems	Major	1(0+3)	1
8.	CSC-236	Operating Systems	Major	3(3+0)	3
9.	CSC-236L	Operating Systems	Major	1(0+3)	1
					Total Credits (18)
SEMESTER-IV					
Sr. No	Course Code	COURSE	Domain	Cr. Hr.	Total
1.	GE-241	Civics and Community Engagement	General Education	2(2+0)	2
2.	GE-242	Ideology and Constitution of Pakistan	General Education	2(2+0)	2
3.	GE-243	Entrepreneurship	General Education	2(2+0)	2
4.	GE-244	Islamic Studies / Ethics	General Education	2(2+0)	2
5.	CSC-245	Software Engineering	Major	3(3+0)	3
6.	CSC-246	Computer Organization & Architecture	Major	2(2+0)	2
7.	CSC-246L	Computer Organization & Architecture	Major	1(0+1)	1
8.	CSC-247	Design & Analysis of Algorithms	Major	3(3+0)	3
9.	ENG-248	Technical & Business Writing	General Education	2(2+0)	2
					Total Credits (19)

Scheme of Studies for BS IOT

SEMESTER-V					
Sr. No	Course Code	COURSE	Domain	Cr. Hr.	Total
1.	CSC-351	Computer Networks	Major	2 (2+0)	2
2.	CSC-351L	Computer Networks	Major	1 (0+1)	1
3.	CSC-352	Information Security	Major	2 (2+0)	2
4.	CSC-352L	Information Security	Major	1 (0+1)	1
5.	CSC-353	Artificial Intelligence	Major	2 (2+0)	2
6.	CSC-353L	Artificial Intelligence	Major	1 (0+1)	1
7.	CSC-354	Theory of Automata	Major	3 (3+0)	3
8.	MTH-355	Probability & Statistics	IDS	3 (3+0)	3
9.	GA-35X	IDS - IV	IDS	3 (3+0)	3
					Total Credits (18)
SEMESTER-VI					
Sr. No	Course Code	COURSE	Domain	Cr. Hr.	Total
1.	CSC-361	Cloud Computing	Major	2 (2+0)	2
2.	CSC-361L	Cloud Computing	Major	1 (0+1)	1
3.	IOTE-36X	Elective-I	Major	3/2+1	3
4.	IOTE-36X	Elective-II	Major	3/2+1	3
5.	IOTE-36X	Elective-III	Major	3/3+1	3
6.	IOTE-36X	Elective-IV	Major	3/2+1	3/2+1
					Total Credits (15)

Scheme of Studies for BS IOT

SEMESTER- VII					
Sr. No	Course Code	COURSE	Domain	Cr. Hr.	Total
1.	IOTE-47X	Elective-V	Major	3/2+1	3
2.	IOTE-47X	Elective-VI	Major	3/2+1	3
3.	IOTE-47X	Elective-VII	Major	3/2+1	3
4.	IOTE-47X	Elective-VIII	Major	3/2+1	3
5.	CSC-479	Professional Certification	Certification	3	3
					Total Credits (15)
SEMESTER- VIII					
Sr. No	Course Code	COURSE	Domain	Cr. Hr.	Total
1.	FYDP-481	Final Year Design Project	Capstone Project	6	6
2.	ITNG-482	Field Experience	Field Experience	3	3
					Total Credits (9)
Total Credit Hours: 130					

Scheme of Studies for BS IT

Scheme of Studies 2026 (Information Technology)					
SEMESTER-I					
Sr. No	Course Code	COURSE	Domain	Cr. Hr.	Total
1.	MTH-111	Discrete Structures	General Education	3(3+0)	3
2.	ENG-112	Functional English	General Education	3(3+0)	3
3.	GE-113	Applications of Information and Communication Technologies	General Education	2(2+0)	2
4.	GE-113L	Applications of Information and Communication Technologies	General Education	1(0+3)	1
5.	CSC-114	Basic Electronics	General Education	2(2+0)	2
6.	CSC-114L	Basic Electronics	General Education	1(0+1)	1
7.	CSC-115	Programming Fundamentals	Major	3(3+0)	3
8.	CSC-115L	Programming Fundamentals	Major	1(0+3)	1
9.	MTH-116	Calculus & Analytical Geometry	IDS – Mandatory	3(3+0)	3
Only for Pre-Medical Students					
10.	MTH-117	Calculus Fundamentals (Deficiency Course)	GER	0(3+0)	0
Total Credits (19)					
SEMESTER-II					
Sr. No	Course Code	COURSE	Domain	Cr. Hr.	Total
1.	MTH-121	Graph Theory	General Education	3(3+0)	3
2.	GE-122	Pakistan Studies	General Education	2 (2+0)	2
3.	UHQ-123	Understanding of Holy Quran-I/Ethics-I	General Education	1(3+0)	1
4.	CSC-124	Object Oriented Programming	Major	3(3+0)	3
5.	CSC-124L	Object Oriented Programming	Major	1(0+3)	1
6.	CSC-125	Digital Logic Design	Major	3(3+0)	3
7.	CSC-125L	Digital Logic Design	Major	1(0+3)	1
8.	MTH-126	Linear Algebra	IDS - Mandatory	(3+0)	3
Only for Pre-Medical Students					
9.	MTH-127	Basics of Algebra and Trigonometry (Deficiency Course)	GER	0(3+0)	0
Total Credits (17)					

Scheme of Studies for BS IT

SEMESTER-III					
Sr. No	Course Code	COURSE	Domain	Cr. Hr.	Total
1.	ENG-231	Expository Writing	General Education	3(3+0)	3
2.	GA-232	Introduction to Management	General Education	2(2+0)	2
3.	UHQ-233	Understanding of Holy Quran-II/Ethics-II	General Education	1(3+0)	1
4.	CSC-234	Data Structures	Major	3(3+0)	3
5.	CSC-234L	Data Structures	Major	1(0+3)	1
6.	CSC-235	Database Systems	Major	3(3+0)	3
7.	CSC-235L	Database Systems	Major	1(0+3)	1
8.	CSC-236	Operating Systems	Major	3(3+0)	3
9.	CSC-236L	Operating Systems	Major	1(0+3)	1
			Total Credits (18)		

SEMESTER-IV					
Sr. No	Course Code	COURSE	Domain	Cr. Hr.	Total
1.	GE-241	Civics and Community Engagement	General Education	2(2+0)	2
2.	GE-242	Ideology and Constitution of Pakistan	General Education	2(2+0)	2
3.	GE-243	Entrepreneurship	General Education	2(2+0)	2
4.	GE-244	Islamic Studies / Ethics	General Education	2(2+0)	2
5.	CSC-245	Software Engineering	Major	3(3+0)	3
6.	CSC-246	Computer Organization & Architecture	Major	2(2+0)	2
7.	CSC-246L	Computer Organization & Architecture	Major	1(0+1)	1
8.	CSC-247	Design & Analysis of Algorithms	Major	3(3+0)	3
9.	ENG-248	Technical & Business Writing	General Education	2(2+0)	2
			Total Credits (19)		

Scheme of Studies for BS IT

SEMESTER-V					
Sr. No	Course Code	COURSE	Domain	Cr. Hr.	Total
1.	CSC-351	Computer Networks	Major	2 (2+0)	2
2.	CSC-351L	Computer Networks	Major	1 (0+1)	1
3.	CSC-352	Information Security	Major	2 (2+0)	2
4.	CSC-352L	Information Security	Major	1 (0+1)	1
5.	CSC-353	Artificial Intelligence	Major	2 (2+0)	2
6.	CSC-353L	Artificial Intelligence	Major	1 (0+1)	1
7.	CSC-354	Theory of Automata	Major	3 (3+0)	3
8.	MTH-355	Probability & Statistics	IDS	3 (3+0)	3
9.	GA-35X	IDS - IV	IDS	3 (3+0)	3
			Total Credits (18)		

SEMESTER-VI					
Sr. No	Course Code	COURSE	Domain	Cr. Hr.	Total
1.	CSC-361	Cloud Computing	Major	2 (2+0)	2
2.	CSC-361L	Cloud Computing	Major	1 (0+1)	1
3.	ITE-36X	Elective-I	Major	3/2+1	3
4.	ITE-36X	Elective-II	Major	3/2+1	3
5.	ITE-36X	Elective-III	Major	3/3+1	3
6.	ITE-36X	Elective-IV	Major	3/2+1	3/2+1
			Total Credits (15)		

Scheme of Studies for BS IT

SEMESTER-VII					
Sr. No	Course Code	COURSE	Domain	Cr. Hr.	Total
1.	ITE-47X	Elective-V	Major	3/2+1	3
2.	ITE-47X	Elective-VI	Major	3/2+1	3
3.	ITE-47X	Elective-VII	Major	3/2+1	3
4.	ITE-47X	Elective-VIII	Major	3/2+1	3
5.	CSC-479	Professional Certification	Certification	3	3
			Total Credits (15)		

SEMESTER-VIII					
Sr. No	Course Code	COURSE	Domain	Cr. Hr.	Total
1.	FYDP-481	Final Year Design Project	Capstone Project	6	6
2.	ITNG-482	Field Experience	Field Experience	3	3
			Total Credits (9)		

Total Credit Hours: 130

BACHELOR OF SCIENCE IN MATHEMATICS

$$\frac{1}{n} \sum_{k=1}^n f\left(\frac{k}{n}\right) = \int_0^1 f(x) dx$$

$$\frac{a_0}{2} + \sum_{n=1}^{\infty} (a_n \cos nx + b_n \sin nx)$$

$$\begin{bmatrix} a_{11} & a_{12} & \cdots & a_{1n} \\ a_{21} & a_{22} & \cdots & a_{2n} \\ \vdots & \vdots & \ddots & \vdots \\ a_{n1} & a_{n2} & \cdots & a_{nn} \end{bmatrix}$$

$$= F(b) - F(a)$$

$$e^{i\pi} + 1 = 0$$

$$f'(x) = \lim_{h \rightarrow 0} \frac{f(x+h) - f(x)}{h}$$

PROGRAM DESCRIPTION

The Bachelor of Science (BS) in Mathematics program is designed in accordance with the provisions of the HEC Undergraduate Education Policy V 1.1. to provide students with a strong foundation in both theoretical and applied mathematics, addressing contemporary mathematical challenges and their applications in various fields. The program integrates key areas of mathematics, such as algebra, calculus, geometry, analysis, and computational techniques, equipping students with the skills necessary for research, industry, and advanced academic pursuits in mathematics and related disciplines. Spanning eight semesters, the curriculum offers a balanced and progressive learning experience. The first four semesters focus on general education courses, building essential problem-solving skills and a broad knowledge base. These are followed by specialized major courses that cover diverse mathematical topics, including pure and applied mathematics. Throughout the program, students will gain hands-on experience with modern mathematical tools and computational methods. Emphasis is placed on analytical thinking, logical reasoning, and the application of mathematical techniques in solving real-world problems. Courses in the later semesters will focus on developing practical skills in areas like numerical analysis, statistical modeling, and algorithmic design, preparing graduates to meet the demands of industry, research, and academia.

PROGRAM LEARNING OUTCOMES

By the completion of Bachelor of Science in Mathematics, the graduates will be able to:

- Demonstrate a comprehensive understanding of fundamental mathematical concepts, integrating knowledge areas across a range within mathematical sciences.
- Effectively apply mathematical methods, computational tools, and problem-solving techniques to theoretical and real-world academic and industrial problems across diverse fields.
- Communicate mathematical ideas, solutions, and research findings clearly and effectively, while demonstrating a commitment to continuous learning, logical reasoning, and professional development in the field of mathematics.

Mission

To provide a rigorous and comprehensive education in mathematics that fosters analytical thinking, problem-solving, and quantitative reasoning through excellence in teaching, research, and innovation. The program is committed to developing graduates with strong theoretical knowledge, practical competencies, ethical values, and lifelong learning skills, enabling them to pursue advanced studies, contribute to scientific and technological advancement, and address complex challenges across academia, industry, government, and society.

Programs Offered

BS Mathematics – 4 years

FACULTY

**Dr. Kashif Ali**

Ph. D. Mathematics, CASPAM, BZU, Multan

Associate Professor

Area of Interest: Numerical Solution of Nonlinear Problems

Experience: 14 Years

**Dr. Sobia Rafique**

Ph. D. Mathematics, UET, Lahore

Assistant Professor

Area of Interest: Integral Inequalities and their Applications

Experience: 11 Years

PROGRAM STRUCTURE

Minimum Credit Hours	131
General Education	32 credit hours (13 courses)
Discipline Related Courses / Major	72 credit hours (24 courses)
Interdisciplinary / Allied Courses	21 credit hours (7 courses)
Internship	3 credit hours
Capstone	3 credit hours
Program Duration	Minimum: 4 years (8 regular semesters) Maximum: 6 years (12 regular semesters) The maximum limit is further extendable in accordance with HEC semester rules.
Semester Duration	16-18 weeks for regular semesters (1-2 weeks for examination) 8-9 weeks for summer semesters (1 week for examination)
Course Load (per semester)	15-18 credit hours for regular semesters Up-to 8 credit hours for summer semesters (for remedial/deficiency/failure/repetition courses only)
3 Credit Hours (Theory)	3 classes (1 hour each) OR 2 classes (1.5 hour each) OR 1 class (3 hours) per week throughout the semester.
1 Credit Hours (Lab / Field Work)	1 credit hour in laboratory or practical work / project requires lab contact of 3 hours per week throughout the semester.

Subject Details

SEMESTER 1			
S.N.	Course	Credit Hours	Category
1	Calculus - I	3 (3-0)	Major
2	Introduction to Programming	3 (2-1)	Interdisciplinary
3	Quantitative Reasoning – I *	3 (3-0)	General Education
4	Natural Science **	3 (2-1)	General Education
5	Functional English *	3 (3-0)	General Education
6	Applications of ICT *	3 (2-1)	General Education
TOTAL CREDIT HOURS: 18			

SEMESTER 2			
S.N.	Course	Credit Hours	Category
1	Calculus - II	3 (3-0)	Major
2	Discrete Mathematics	3 (3-0)	Major
3	Quantitative Reasoning – II *	3 (3-0)	General Education
4	Expository Writing *	3 (3-0)	General Education
5	Pakistan Studies *	2 (2-0)	General Education
6	Arts & Humanities ***	2 (2-0)	General Education
TOTAL CREDIT HOURS: 16			

SEMESTER 3			
S.N.	Course	Credit Hours	Category
1	Calculus – III	3 (3-0)	Major
2	Linear Algebra	3 (3-0)	Major
3	Elementary Differential Equations	3 (3-0)	Major
4	Statistics & Probability	3 (3-0)	Interdisciplinary
5	Ideology & Constitution of Pakistan *	2 (2-0)	General Education
6	Islamic Studies *	2 (2-0)	General Education
7	Social Science *****	2 (2-0)	General Education
TOTAL CREDIT HOURS: 18			
SEMESTER 4			
S.N.	Course	Credit Hours	Category
1	Abstract Algebra	3 (3-0)	Major
2	Numerical Methods	3 (3-0)	Major
3	Data Structure & Algorithms	3 (3-0)	Major
4	Ordinary Differential Equations	3 (3-0)	Major
5	Civics & Community Engagement *	2 (2-0)	General Education
6	Entrepreneurship *	2 (2-0)	General Education
TOTAL CREDIT HOURS: 16			

SEMESTER 5			
S.N.	Course	Credit Hours	Category
1	Real Analysis – I	3 (3-0)	Major
2	Topology	3 (3-0)	Major
3	Partial Differential Equations	3 (3-0)	Major
4	Advanced Programming	3 (3-0)	Interdisciplinary
5	Introduction to Mechanics	3 (2-1)	Interdisciplinary
TOTAL CREDIT HOURS: 15			

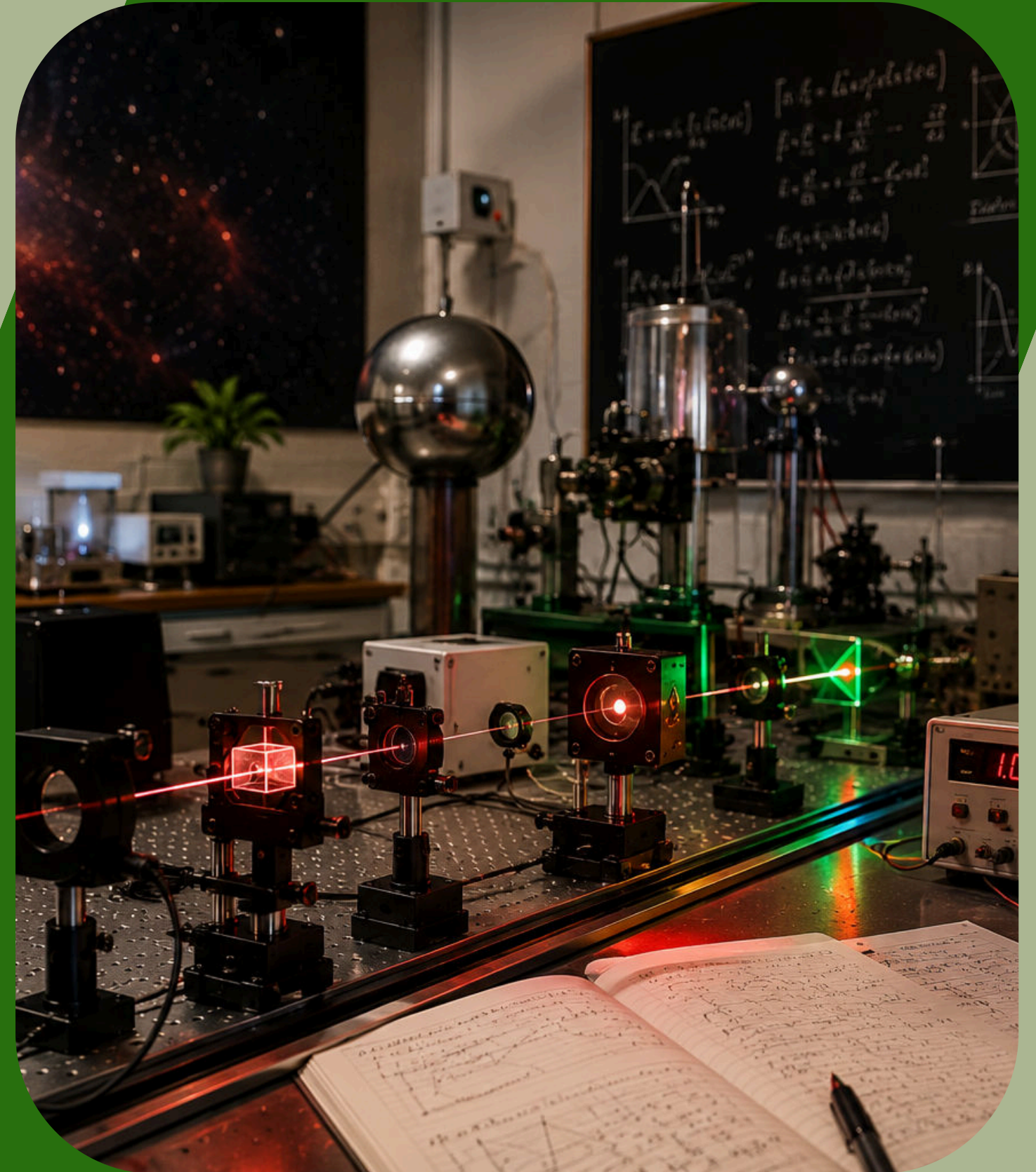
SEMESTER 6			
S.N.	Course	Credit Hours	Category
1	Real Analysis – II	3 (3-0)	Major
2	Complex Analysis	3 (3-0)	Major
3	Elective – I *****	3	Major
4	Introduction to Machine Learning	3 (2-1)	Interdisciplinary
5	Introduction to Classical Mechanics	3 (3-0)	Interdisciplinary
TOTAL CREDIT HOURS: 15			

SEMESTER 7			
S.N.	Course	Credit Hours	Category
1	Differential Geometry	3 (3-0)	Major
2	Elective – II *****	3	Major
3	Elective – III *****	3	Major
4	Elective – IV *****	3	Major
5	Scientific Writing & Research Methods	3 (3-0)	Interdisciplinary
TOTAL CREDIT HOURS: 15			
SEMESTER 8			
S.N.	Course	Credit Hours	Category
1	Elective – V *****	3	Major
2	Elective – VI *****	3	Major
3	Elective – VII *****	3	Major
4	Elective – VIII *****	3	Major
5	Capstone	3	Capstone
TOTAL CREDIT HOURS: 15			

List of Elective Courses

S.N.	Course name	Cr. Hrs.
1	Measure Theory and Lebesgue Integration	3
2	Methods of Mathematical Physics	3
3	Numerical Methods-II	3
4	Mathematical Statistics-II	3
5	Computer Applications	3
6	Group Theory-III	3
7	Theory of Modules	3
8	Number Theory-II	3
9	Quantum Mechanics-II	3
10	Special Theory of Relativity	3
11	Electromagnetic Theory-II	3
12	Operations Research-II	3
13	Theory of Approximation and Splines-II	3
14	Functional Analysis- III	3
15	Fluid Mechanics-II	3

BACHELOR OF SCIENCE IN PHYSICS



PROGRAM DESCRIPTION

The Bachelor of Science in Physics program is designed in accordance with the Higher Education Commission's (HEC) Undergraduate Education Policy V 1.1, offering students a comprehensive education in Physics, with an emphasis on both theoretical understanding and practical application. The program spans eight semesters and provides a balanced curriculum that begins with general education courses, ensuring a strong foundation in mathematics, natural sciences, and critical thinking. As students progress, they will study specialized courses that cover key areas of Physics, including classical mechanics, quantum mechanics, electrodynamics, and thermodynamics, as well as emerging fields such as materials science. Throughout the program, students will engage in hands-on laboratory work, enhancing their technical skills and enabling them to apply theoretical concepts to real-world situations. While designing this program, emphasis is placed on the development of analytical and problem-solving abilities, with the aim of preparing students for careers in industry, education, and technology sectors.

PROGRAM LEARNING OUTCOMES

By the completion of Bachelor of Science in Physics, the graduates will be able to:

- Demonstrate a comprehensive understanding of basic concepts related to core subjects in physics, including but not limited to classical mechanics, quantum mechanics, electromagnetism, statistical mechanics and thermodynamics.
- Effectively apply mathematical and computational techniques to analyze and solve complex physical problems in both theoretical and experimental contexts.
- Communicate scientific knowledge and research findings effectively, demonstrating a commitment to continuous learning and professional development in the field of Physics.

Mission

To nurture scientifically competent and ethically responsible graduates through high-quality teaching, experiential learning, and impactful research in physics. The program is committed to fostering intellectual curiosity, innovation, and leadership while preparing students for successful careers, advanced studies, and meaningful contributions to scientific and technological progress.

Programs Offered

BS Physics – 4 years

PROGRAM STRUCTURE

Minimum Credit Hours	134
General Education	32 credit hours (13 courses)
Discipline Related Courses/Major	78 credit hours (26 courses)
Interdisciplinary / Allied Courses	18 credit hours (6 courses)
Internship	3 credit hours
Capstone Project	3 credit hours
Program Duration	Minimum: 4 years (8 regular semesters) Maximum: 6 years (12 regular semesters) The maximum limit is further extendable in accordance with HEC semester rules
Semester Duration	16-18 weeks for regular semesters (1-2 weeks for examination) 8-9 weeks for summer semesters (1 week for examination)
Course Load (per semester)	15-18 credit hours for regular semesters Up-to 8 credit hours for summer semesters (for remedial/deficiency/failure/repetition courses only)
3 Credit Hours (Theory)	3 classes (1 hour each) OR 2 classes (1.5 hour each) OR 1 class (3 hours) per week throughout the semester
1 Credit Hours (Lab/ Field Work)	1 credit hour in laboratory or practical work/project requires lab contact of 3 hours per week throughout the semester

Subject Details

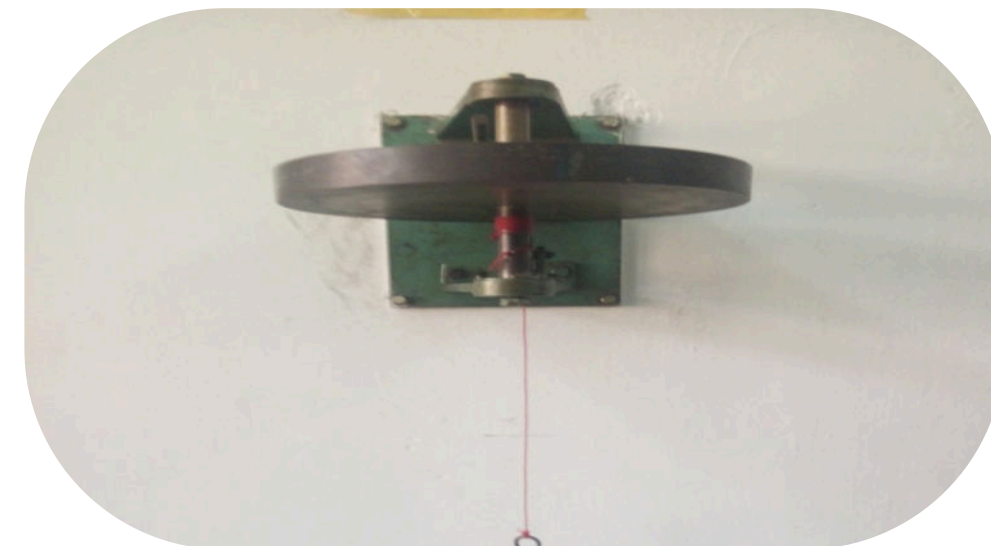
SEMESTER 1			
S.N.	Course	Credit Hours	Category
1	Introductory Mechanics	3(2-1)	Major
2	Calculus-1	3(3-0)	Major
3	Quantitative Reasoning – I	3 (3-0)	General Education
4	Natural Science **	3 (2-1)	General Education
5	Functional English *	3 (3-0)	General Education
6	Applications of	3 (2-1)	General Education
TOTAL CREDIT HOURS: 18			
SEMESTER 2			
S.N.	Course	Credit Hours	Category
1	Waves & Optics	3 (2-1)	Major
2	Calculus – II	3 (3-0)	Major
3	Quantitative Reasoning – II	3 (3-0)	General Education
4	Expository Writing *	3 (3-0)	General Education
5	Pakistan Studies *	2 (2-0)	General Education
6	Social Sciences ***	2 (2-0)	General Education
7	Islamic Studies * (Ethics for	2 (2-0)	General Education
TOTAL CREDIT HOURS: 18			

SEMESTER 3			
S.N.	Course	Credit Hours	Category
1	Electricity & Magnetism	3 (2-1)	Major
2	Heat & Thermodynamics	3 (2-1)	Major
3	Differential Equations	3 (3-0)	Major
4	Linear Algebra	3 (3-0)	Interdisciplinary
5	Arts & Humanities ****	2 (2-0)	General Education
6	Ideology & Constitution of	2 (2-0)	General Education
TOTAL CREDIT HOURS: 16			
SEMESTER 4			
S.N.	Course	Credit Hours	Category
1	Modern Physics	3 (2-1)	Major
2	Vector Calculus	3 (3-0)	Major
3	Classical Mechanics	3 (3-0)	Major
4	Environmental Physics	3 (3-0)	Interdisciplinary
5	Civics & Community	2 (2-0)	General Education
6	Entrepreneurship *	2 (2-0)	General Education
TOTAL CREDIT HOURS: 16			

SEMESTER 5			
S.N.	Course	Credit Hours	Category
1	Electronics – I	3 (2-1)	Major
2	Mathematical Methods of	3 (3-0)	Major
3	Electromagnetic Theory	3 (3-0)	Major
4	Medical Physics	3 (3-0)	Interdisciplinary
5	Computational Physics	3 (2-1)	Interdisciplinary
6	Scientific Inquiry &	3 (3-0)	Interdisciplinary
TOTAL CREDIT HOURS: 18			
SEMESTER 6			
S.N.	Course	Credit Hours	Category
1	Electronics – II	3 (2-1)	Major
2	Quantum Mechanics – I	3 (3-0)	Major
3	Mathematical Methods of	3 (3-0)	Major
4	Electrodynamics & Special	3 (3-0)	Major
5	Condensed Matter Physics	3 (3-0)	Major
TOTAL CREDIT HOURS: 15			

SEMESTER 7			
S.N.	Course	Credit Hours	Category
1	Atomic & Molecular	3 (2-1)	Major
2	Quantum Mechanics – II	3 (3-0)	Major
3	Nuclear Physics	3 (2-1)	Major
4	Elective – I *****	3	Major
5	Elective – II *****	3	Major
TOTAL CREDIT HOURS: 15			
SEMESTER 8			
S.N.	Course	Credit Hours	Category
1	Statistical Mechanics	3 (3-0)	Major
2	Elective – III	3	Major
3	Elective – IV	3	Major
4	Artificial Intelligence in	3 (2-1)	Interdisciplinary
5	Capstone	3	Capstone
TOTAL CREDIT HOURS: 15			

LAB Facilities for the BS-Physics Students



BS Chemistry



Introduction

The BS Chemistry program provides students with a strong foundation in chemical sciences through a blend of theoretical knowledge and practical laboratory experience. It covers key areas such as Organic, Inorganic, Physical, Analytical, and Environmental Chemistry. The program develops analytical thinking, problem-solving, and research skills to address scientific and industrial challenges. Students gain hands-on experience with modern laboratory techniques and scientific instrumentation. Graduates are prepared for careers in industry, research, education, healthcare, and environmental organizations, as well as for advanced studies in chemistry and related fields.

Mission

To provide quality education in chemical sciences through innovative teaching, hands-on laboratory training, and research-driven learning. The program is committed to developing competent, ethical, and skilled graduates who can address scientific and industrial challenges, contribute to sustainable development, and pursue excellence in research, innovation, and professional practice.

Programs Offered

BS Chemistry– 4 years

FACULTY



Dr. Shabana Afzal
Associate Professor



Dr. Muhammad Islam
Assistant Professor

Subject Details for BS Chemistry

First Year					
Semester – I			Semester – II		
ENG-101	Functional English	3(3-0)	EW-107	Expository writing	3(3-0)
GQR-102	Quantitative Reasoning-I	3(3-0)	GQR-108	Quantitative Reasoning-II	3(3-0)
ICT-103	Applications of ICT	3(2-1)	PAK-109	Pakistan Studies	2(2-0)
NS-104	Natural Science	3(2-1)	CHM-110	Principles of Organic Chemistry	3(2-1)
CHM-105	Principles of Biochemistry	3(2-1)	CHM-111	Principles of Physical Chemistry	3(2-1)
CHM-106	Fundamentals of Chemistry	3(2-1)	CHM-112	Principles of Inorganic Chemistry	3(2-1)
UHQ-110	Understanding of Holy Quran-I/Ethics-I	1(0-1)	UHQ-210	Understanding of Holy Quran-II/Ethics-II	1(0-1)
Total		19	Total		18

Subject Details for BS Chemistry

Second Year					
Semester – III			Semester –IV		
ISL-201	Islamic studies/Ethics	2(2-0)	SOC-208	Social Sciences	2(2-0)
ICP-202	Ideology and Constitution of Pakistan	2(2-0)	CCE-209	Civics and community engagement	2(2-0)
AH-203	Arts and Humanities	2(2-0)	ENT-210	Entrepreneurship	2(2-0)
CHM-204	Principles of Analytical Chemistry	3(2-1)	CHM-211	Forensic Chemistry	3(3-0)
CHM-205	Introduction to Nano Chemistry	3(3-0)	CHM-212	Pharmaceutical Chemistry	3(2-1)
CHM-206	Principles of Polymer Chemistry	3(2-1)	CHM-213	Environmental Chemistry	3(2-1)
CHM-207	Fuel Chemistry	3(3-0)	CHM-214	Industrial Chemistry	3(2-1)
Total		18	Total		18

Subject Details for BS Chemistry

Third Year

Semester –V			Semester – VI		
CHM-310	Advanced Organic Chemistry	3(2-1)	CHM-316	Agriculture Chemistry	3(2-1)
CHM-311	Advanced Inorganic Chemistry	3(2-1)	CHM-317	Scientific writing and Research Methods	3(3-0)
CHM-312	Advanced Analytical Chemistry	3(2-1)	STAT-318	Statistics for Chemists	3(3-0)
CHM-313	Advanced Physical Chemistry	3(3-0)		Elective-I	3(3-0)
CHM-314	Soil Chemistry	3(3-0)		Elective-II	3(3-0)
CHM-315	Computational Chemistry	3(2-1)			
Total		18	Total		15

Subject Details for BS Chemistry

Fourth Year					
Semester –VII			Semester – VIII		
Specialization: Organic/Inorganic/Analytical/Physical/Pharmaceutical/Forensic /Computational Chemistry)					
CHM-410	Chemical Safety and Risk Management	3(3-0)	CHM-414	Quality Control and Assurance	3(2-1)
CHM-411	Materials Science	3(2-1)		Elective-VI	3(3-0)
	Elective-III	3(3-0)		Elective-VII	3(3-0)
	Elective- IV	3(3-0)	CHM-415	Artificial Intelligence in Chemistry*/Elective-VIII	3(2-1)
	Elective-V	3(3-0)	CHM-416	Capstone-II	2(0-2)
CHM-412	Internship	3(0-3)			
CHM-413	Capstone-I	1(0-1)			
Total		19	Total		14
* Subject to availability of required faculty, may be substituted by any of the electives given in the list.					

MULTAN SCHOOL OF BUSINESS AND ENTREPRENEURSHIP (MSBE)



INTRODUCTION

The Bachelor of Business Administration (BBA Hons.) at the Department of Management Sciences (DMS), MNS-University of Engineering & Technology is designed to provide students with a strong foundation in core business and management principles. The program covers key areas such as accounting, finance, marketing, human resource management, organizational behavior, economics, business communication, and entrepreneurship. It aims to develop future business leaders who can understand and respond effectively to dynamic and competitive global business environments. The curriculum emphasizes analytical thinking, problem-solving, leadership, and decision-making skills through case studies, projects, internships, and practical business exposure. Graduates will be prepared to work in corporate organizations, financial institutions, public sector organizations, startups, and multinational companies.

Mission

To provide state-of-the-art and solution-oriented education through excellence in teaching and research to prepare its graduates to effectively meet the dynamic needs of academia, industry, and society.

Programs Offered

BBA (HONS)
BS Entrepreneurship
BS Financial Technologies
BS Business Analytics
BS Digital Marketing and Artificial Intelligence
Master in Business Administration (MBA)
PhD in Business Administration

FACULTY



Dr. Zeeshan Rasool
Assistant Professor



Dr. Asifa Maqbool
Assistant Professor



Awais Javeed
Lecturer



Dr. Khadeeja Sabir
Lecturer

Scheme of Study for BBA (HONS)_

Semester First					
Course Code	Title of Course	Credit Hrs	Marks	Pre-Requisite	Category
FE1-101	Freshman English-1	3	100		Compul-1
ITA-102	Introduction to AI	3	100		Gen-1
PS-103	Pakistan Studies	2	100		Compul-2
UHQ-110	Understanding of Holy Quran-I/ Ethics-I	1	100		Compul-3
BM1-105	Business Mathematics-I	3	100		Compul-4
ITC-106	Introduction to Computer	3	100		Compul-5
Total		15	600		
Semester Second					
Course Code	Title of Course	Credit Hrs	Marks		
FE2-107	Freshman English-II	3	100	ENG-201	Compul-6
FL2-108	Foreign Language (Arabic) II	3	100		Gen-2
BS1-109	Business Statistics-I	3	100		Compul-7
HPsyc-110	Human Psychology	3	100		Gen-3
ITM-111	Introduction to Management	3	100		Core-1
MicE-112	Microeconomics	3	100		Core-2
UHQ-210	Understanding of Holy Quran-II/ Ethics-II	1	0		
Total		19	600		

Scheme of Study for BBA (HONS)

Semester Third					
Course Code	Title of Course	Credit Hrs	Marks		
BM2-201	Business Mathematics-II	3	100	MATH-201	Compul-8
BS2-202	Business Statistics-II	3	100	STAT-201	Core-3
MacE-203	Macroeconomics	3	100	ECO-201	Core-4
FAC1-204	Financial Accounting-I	3	100		Core-5
SOC-205	Sociology	3	100		Gen-4
ITHR-206	Introduction to HRM	3	100	MGT-201	Core-6
Total		18	600		
Semester Fourth					
Course Code	Title of Course	Credit Hrs	Marks		
BC-207	Business Communication	3	100		Compul-9
POMT-208	Principles of Marketing	3	100		Core-7
ES-209	Environmental Sciences	3	100		Gen-5
FAC2-210	Financial Accounting-II	3	100	ACC-201	Core-8
PakEC-211	Pakistan Economy	3	100		Gen-6
BFIN-212	Business Finance	3	100		Core-9
Total		19	600		

Scheme of Study for BBA (HONS)

Semester Fifth								
Course Code	Title of Course		Credit Hrs	Marks				
CAC-301	Cost Accounting		3	100	ACC-202	Elective-1		
MTMG-302	Marketing Management		3	100	MKT-201	Core-10		
LOG-303	Logic		3	100		Gen-7		
FMG-304	Financial Management		3	100	ACC-203	Core-11		
BLAW-305	Business Law		3	100		Core-12		
	Specialization I	MKT	International Marketing	3	100		Spec1-1	
		FIN	Analysis of Financial Statements	3	100			
		HRM	Compensation Administration	3	100			
Total			18	600				
Semester Sixth								
Course Code	Title of Course		Credit Hrs	Marks				
BE-306	Business Ethics		3	100			Gen-8	
OB-307	Organizational Behavior		3	100			Elective-2	
CB-308	Consumer Behavior		3	100			Elective-3	
MIS-309	Management Information System		3	100	CS-201	Core-13		
	Specialization II	MKT	Sales Management	3	100		Spec1-2	
		FIN	Corporate Finance	3	100			
		HRM	Stress Management	3	100			
Total			16	500				

Scheme of Study for BBA (HONS)

Semester Seventh								
Course Code	Title of Course		Credit Hrs	Marks				
BR-401	Business Research		3	100		Core-14		
OM-402	Operations Management		3	100		Core-15		
Entp-403	Entrepreneurship		3	100		Elective-4		
BE-404	Business Economics		3	100		Gen-9		
	Specialization III	MKT	Brand Management	3	100		Spec1-3	
	FIN	Investment and Portfolio Management		3	100			
	HRM	Organizational Development		3	100			
Total				15	500			
Semester Eight								
Course Code	Title of Course		Credit Hrs	Marks				
BP-405	Business Policy		3	100		Core-16		
IBM-406	International Business Management		3	100		Elective-5		
	Specialization IV	MKT	Advertising and Sales Promotion	3	100		Spec1-4	
		FIN	Risk Management	3	100			
		HRM	Human Resource Development	3	100			
PRJ-501	Project/Internship/Two Elective courses		6	200				
	OR							
	Two Optional Courses based on Specialization	FIN	Islamic Banking and Finance	3	100			
			Principles of Auditing	3	100			
		MKT	Export Marketing	3	100			

Scheme of Study for BBA (HONS)

IBM-406	International Business Management			3	100		Elective-5
	Specialization IV	MKT	Advertising and Sales Promotion	3	100		Special-4
		FIN	Risk Management	3	100		
		HRM	Human Resource Development	3	100		
PRJ-501	Project/Internship/Two Elective courses			6	200		
	OR						
	Two Optional Courses based on Specialization	FIN	Islamic Banking and Finance	3	100		
			Principles of Auditing	3	100		
		MKT	Export Marketing	3	100		
			Industrial Marketing	3	100		
		HRM	Labor Law and Practices	3	100		
			Strategic Innovation and Leadership styles	3	100		
Total				16	500		
Grand Total				137	4500		

Scheme of Study for BS Entrepreneurship**SEMESTER-I**

Course Code	Course Title	Cr. Hours
FA-101	Financial Accounting	3
FE-102	Functional English-I	3
CES-103	Corporate Environmental Sustainability	3
QR-104	Quantitative Reasoning 1	3
ENT-105	Entrepreneurship Foundations	3
AI-106	Introduction to A.I	3
Total		18

SEMESTER-II

Course Code	Course Title	Cr. Hours
EW-107	Expository Writing	3
ICT-108	Applications of Information and Communication Technologies (ICT)	3
QR-109	Quantitative Reasoning II	3

UHQ-110	Understanding of Holy Quran–I/ Ethics–I	1
CMAE-111	Cost & Managerial Accounting for Entrepreneurs	3
IC-112	Innovation & Creativity	3
Total		16

Scheme of Study for BS Entrepreneurship**SEMESTER-III**

Course Code	Course Title	Cr. Hours
PE-201	Principles of Economics	3
FL-202	Foreign language (Arabic)	3
CCE-203	Civics and Community Engagement*	2
OA-204	Opportunity Assessment	3
EF-205	Entrepreneurial Finance I	3
IS-206	Islamic Studies/Ethics*	2
Total		16

SEMESTER-IV

Course Code	Course Title	Cr. Hours
EM-207	Entrepreneurial Management	3
ES-208	Entrepreneurial Strategy	3
BRM-209	Business Market Research	3
UHQ-210	Understanding of Holy Quran–II/ Ethics–II	1
IBF-211	Islamic Banking & Finance	3
BL-212	Business Law	3
Total		15

*Students may exit after 4th semester by completing 64 credit hours and internship of 6-8 weeks after 4th semester.

Scheme of Study for BS Entrepreneurship**SEMESTER-V**

Course Code	Course Title	Cr. Hours
EPM-301	Entrepreneurial Project Management	3
BP-302	Business Psychology	2
CE-303	Corporate Entrepreneurship	3
ICP-304	Ideology and Constitution of Pakistan	2
ECE-305	E-Commerce Entrepreneurship	3
DM-306	Digital Marketing	3
Total		16

SEMESTER-VI

Course Code	Course Title	Cr. Hours
THQ-307	Translation of The Holy Quran	3
SFBE-308	Small and Family Business Entrepreneurship	3
OB-309	Organizational Behavior	3
IPL-310	Intellectual Property laws	3
SE-311	Social Entrepreneurship	3
Total		15

Scheme of Study for BS Entrepreneurship**SEMESTER-VII**

Course Code	Course Title	Cr. Hours
TPE-401	Taxation Principles for Entrepreneurs	3
HRM-402	Human Resource Management	3
SCM-403	Supply Chain Management	3
IMF-404	Islamic Micro financing	3
CPE-405	Capstone Project of Entrepreneurship	3
Total		15

SEMESTER-VIII

Course Code	Course Title	Cr. Hours
CG-406	Corporate Governance	3
KM-407	Knowledge Management	3
EL-408	Entrepreneurial Leadership	3
MGB-409	Managing Growth of Business	3
FWCP-410	Field work of Capstone Project	3
Total		15

Scheme of Study for BS Financial Technologies**SEMESTER-I**

Course Code	Course	Credit Hours
ITFT-101	Introduction to Fin-Tech	3
FA-102	Financial Accounting I	3
CAAG-103	Calculus and Analytical Geometry	3
POE-104	Principles of Economics	3
ECAC-105	English Composition and Comprehension	2
UHQ-110	Understanding of Holy Quran–I/ Ethics–I	1
Total		15

SEMESTER-II

Course Code	Course	Credit Hours
CF-107	Financial Accounting II	3
ITAI-108	Introduction to A.I	3
PAS-109	Probability and Statistics	3
POM-110	Principles of Management	3
CAPS-111	Communication and Presentation Skills	2
UHQ-210	Understanding of Holy Quran–II/ Ethics–II	1
Total		15

Scheme of Study for BS Financial Technologies

SEMESTER-III		
Course Code	Course	Credit Hours
BAFI-201	Banking and Financial Institutions	3
IAPM-202	Investments and Portfolio Management	3
DMS-203	Database Management Systems	3
WTAD-204	Web Technologies and Development	3
FMAI-205	Financial Markets and Instruments	2
POM-206	Principals of Marketing	3
Total		14

SEMESTER-IV		
Course Code	Course	Credit Hours
IBAF-207	Islamic Banking and Finance	3
MAD-208	Mobile Application Development	3
FDA-209	Financial Data Analytics	3
RMAI-210	Risk Management and Insurance	3
POE-211	Principals of Entrepreneurship	3
Total		15

*Students may exit after 4th semester by completing 69 credit hours and internship of 6-8 weeks after 4th semester.

Scheme of Study for BS Financial Technologies**SEMESTER-V**

Course Code	Course	Credit Hours
BTAC-301	Blockchain Technology and Cryptocurrencies	3
PSADB-302	Payment Systems and Digital Banking	3
MLFF-303	Machine Learning for Finance	3
FRAC-304	Financial Regulation and Compliance	3
SEFF-305	Software Engineering for Fin-Tech	3
EAI-306	Entrepreneurship and Innovation	2
Total		17

SEMESTER-VI

Course Code	Course	Credit Hours
SCAAD-307	Smart Contracts and Apps Development	3
DLACT-308	Digital Lending and Credit Technology	3
CCAFI-309	Cloud Computing and Fin-Tech Infrastructure	3
ITAWT-310	Wealth and Insurance Management	3
UEDFFT-311	User Experience Design for FinTech	3
EL-312	Elective I	2
Total		17

Scheme of Study for BS Financial Technologies**SEMESTER-VII**

Course Code	Course	Credit Hours
AFTM-401	Advances in Financial Technologies Marketing	3

CAM-402	Compliance Automation Management	3
FIAS-403	Financial Inclusion and Social Fin-Tech	3
ATAQT-404	Algorithmic Trading and Quantum	3
FTPM-405	FinTech Product Management	2
FYPP-406	Final Year Project – Phase I	3
EL-407	Elective II	3
Total		20

SEMESTER-VIII

Course Code	Course	Credit Hours
FSFP-408	Fin-Tech Security and Fraud Prevention	3
LAPD-409	Leadership and Professional Development	2
FYP-410	Final Year Project – Phase II	3
PI-411	Professional Internship	3
TQM-412	Total Quality Management	3
Total		14

Scheme of Study for BS Business Analytics**SEMESTER-I**

Course Code	Course	Credit Hours
ITBA-101	Introduction to Business Analytics	3
CAL-102	Calculus I	3
ITAI-103	Introduction to A.I	3
POM-104	Principles of Management	3
FA-105	Financial Accounting	3
UHQ-110	Understanding of Holy Quran–I/ Ethics–I	1
Total		16

SEMESTER-II

Course Code	Course	Credit Hours
CAL-107	Calculus II	3
PAS-108	Probability and Statistics I	3
DSAA-109	Data Structures and Algorithms	3
POE-110	Principles of Economics	3
CAPS-111	Communication and Presentation Skills	2
Total		14

Scheme of Study for BS Business Analytics

SEMESTER-III

Course Code	Course	Credit Hours
PAS-201	Probability and Statistics II	3
DMS-202	Database Management Systems	3
OM-203	Operations Management	3
DWAV-204	Data Wrangling and Visualization	3
UHQ-210	Understanding of Holy Quran–II/ Ethics–II	1
Total		13

SEMESTER-IV

Sr. No.	Course	Credit Hours
MS-206	Mathematical Statistics	3
MLSL-207	Machine Learning I: Supervised Learning	3
MA-208	Marketing Analytics	3
FA-209	Financial Analytics	3
OM-210	Optimization Methods	3
OB-211	Organizational Behavior	3
Total		18

*Students may exit after 4th semester by completing 69 credit hours and internship of 6-8 weeks after 4th semester.

Scheme of Study for BS Business Analytics**SEMESTER-V**

Sr. No.	Course	Credit Hours
MLUL-301	Machine Learning II: Unsupervised Learning	3
BDT-302	Big Data Technologies	3
TSAAF-303	Time Series Analysis and Forecasting	3
TAANLP-304	Text Analytics and Natural Language Processing	3
SM-305	Strategic Management	3
EPARAI-306	Ethics, Privacy, and Responsible AI	3
Total		18

SEMESTER-VI

Sr. No.	Course	Credit Hours
MLUL-307	Machine Learning II: Unsupervised Learning	3
BDT-308	Big Data Technologies	3
TMAAF-309	Time Series Analysis and Forecasting	3
TAANLP-310	Text Analytics and Natural Language Processing	3
SM-311	Strategic Management	3
Total		15

Scheme of Study for BS Business Analytics**SEMESTER-VII**

Sr. No.	Course	Credit Hours
AML-401	Advanced Machine Learning	3
PAADS-402	Prescriptive Analytics and Decision Science	3
WASMA-403	Web and Social Media Analytics	3
HA-404	Healthcare Analytics	3
APM-405	Analytics Project Management	2
Total		14

SEMESTER-VIII

Sr. No.	Course	Credit Hours
DSAS-406	Data Science at Scale	3
LAPD-407	Leadership and Professional Development	2
FYPP-408	Final Year Project – Phase II	3
PI-409	Professional Internship	3
TQM-410	Total Quality Management	3
Total		14

Scheme of Study for BS Digital Marketing and Artificial Intelligence

SEMESTER-I

Course Code	Course	Credit Hours
ITM-101	Introduction to Marketing	3
POM-102	Principles of Management	3
FA-103	Financial Accounting I	3
CAAG-104	Calculus and Analytical Geometry	3
ECAC-105	English Composition and Comprehension	3
UHQ-110	Understanding of Holy Quran–I/ Ethics–I	1
Total		16

SEMESTER-II

Course Code	Course	Credit Hours
CB-107	Principals of Psychology	3
MM-108	Marketing Management	3
PF-109	Programming Fundamentals	3
PAS-110	Probability and Statistics	3
CAPS-111	Communication and Presentation Skills	3
UHQ-110	Understanding of Holy Quran–II/ Ethics–II	1
Total		16

Scheme of Study for BS Digital Marketing and Artificial Intelligence

SEMESTER-III

Course Code	Course	Credit Hours
DMS-201	Digital Marketing Strategy	3
SMM-202	Social Media Marketing	3
WTAD-203	Web Technologies and Development	3
DAFM-204	Data Analytics for Marketing	3
OB-205	Organizational Behavior	3
Total		14

SEMESTER-IV

Course Code	Course	Credit Hours
AIF-206	Artificial Intelligence Fundamentals	3
CMAC-207	Content Marketing and Copywriting	3
ECMM-208	E-Commerce Management	3
DMS-209	Database Management Systems	3
BRM-210	Business Research Methodology	3
Total		14

*Students may exit after 4th semester by completing 69 credit hours and internship of 6-8 weeks after 4th semester.

Scheme of Study for BS Digital Marketing and Artificial Intelligence

SEMESTER-V

Course Code	Course	Credit Hours
MLM-301	Machine Learning for Marketing	3
MAAC-302	Marketing Automation and CRM	3
BMAS-303	Brand Management and Strategy	3
BRM-304	Business Relationship Marketing	3
MMAAB-305	Mobile Marketing and App Basics	3
BM-306	Brand Management	3
Total		18

SEMESTER-VI

Course Code	Course	Credit Hours
NLP-307	Natural Language Processing	3
DAAPM-308	Digital Advertising and Programmatic Marketing	3
SM-309	Strategic Management	3
PAACM-310	Predictive Analytics and Customer Intelligence	3
VMAMC-311	Video Marketing and Multimedia Content	3
EAI-312	Entrepreneurship and Innovation	3
Total		18

Scheme of Study for BS Digital Marketing and Artificial Intelligence**SEMESTER-VII**

Course Code	Course	Credit Hours
ADMA-401	AI-Driven Marketing Applications	3
MAAAR-402	Marketing Analytics and Advance Research	3
DEPAC-403	Digital Ethics, Privacy and Compliance	3
DCM-404	Digital Community Management	3
CRO-405	Conversion Rate Optimization	3
Total		15

SEMESTER-VIII

Course Code	Course	Credit Hours
DTAFT-406	Digital Transformation and Future Trends	3
LATM-407	Leadership and Team Management	2
FYPP-408	Final Year Project	3
PI-409	Professional Internship	3
Total		11

Scheme of Study for MBA (Non) Business

SEMESTER I			
Sr. No	COURSE	CREDIT HOURS	CATEGORY
FA-601	Financial Accounting	3+0	Core
ME-602	Microeconomics	3+0	Core
BF-603	Business Finance	3+0	Core
PC-604	Professional Communication	2+0	Core
DAM-605	Data Analysis and Modeling	3+0	Core
FEQ-606	Fehm-e-Quran I <i>For non-Muslim students, 02credit hours with a suitable General Education course</i>	0+1	GE
Total Credits (15)			
SEMESTER II			
Sr. No	COURSE	CREDIT HOURS	CATEGORY
CMA-607	Cost & Managerial Accounting	3+0	Core
FM-608	Financial Management	3+0	Core
OBHRM-609	Organizational Behavior & HRM	3+0	Core
MM-610	Marketing Management	3+0	Core
SCM-611	Supply Chain Management	3+0	Core
FEQ-612	Fehm-e-Quran-II <i>For non-Muslim students, 02credit hours with a suitable General Education course</i>	0+1	GE
Total Credits (16)			

Scheme of Study for MBA (Non) Business

SEMESTER III			
Sr. No	COURSE	CREDIT HOURS	CATEGORY
IIT-701	Information Innovation & Technology	2+0	Core
MR-702	Market Research	3+0	Core
BSITDE-703	Business Strategy in the Digital Era	3+0	Core
MAGE-704	Macroeconomics and Global Economy	3+0	Core
BELC-705	Business Ethics & Legal Compliance	2+0	Core
	Elective-I	3+0	Specialization/ Elective Courses
Total Credits (16)			
SEMESTER IV			
Sr. No	COURSE	CREDIT HOURS	CATEGORY
IF-706	Islamic Finance	3+0	Core
	Elective II	3+0	Specialization/ Elective Courses
	Elective III	3+0	Specialization/ Elective Courses
	Elective IV	3+0	Specialization/ Elective Courses
	Project and one Elective OR 2 Electives	3+3	Capstone/Industrial Project
Total Credits (15/18)			

Scheme of Study for MBA

SEMESTER I			
Sr. No	COURSE	CREDIT HOURS	CATEGORY
BSITDE-601	Business Strategy In the Digital Era	3+0	Core
MAGE-602	Macroeconomics and Global Economy	3+0	Core
MR-603	Market Research	3+0	Core
EAI-604	Entrepreneurship and Innovation	3+0	Core
FEQ-605	Fehm-e-Quran-I <i>For non-Muslim students, 02credit hours with a suitable General Education course</i>	0+1	GE
Total Credits (13)			
SEMESTER II			
Sr. No	COURSE	CREDIT HOURS	CATEGORY
	Elective I	3+0	Specialization/ Elective Courses
	Elective II	3+0	Specialization/ Elective Courses
	Elective III	3+0	Specialization/ Elective Courses
FEQ-606	Fehm-e-Quran–II <i>For non-Muslim students, 02credit hours with a suitable General Education course.</i>	0+1	GE
Total Credits (10)			

Scheme of Study for MBA

SEMESTER III			
Sr. No	COURSE	CREDIT HOURS	CATEGORY
	Elective IV	3+0	Specialization/ Elective Courses
FEQ-607	Islamic Finance	3+0	Core
	Project/1-2Electives	3+0 or 6+0	Project/Electives
Total Credits (9/12)			

PhD in Business Administration

Sr. No	Course Code	Course Title	Credit Hours
Course Work			
Semester I			
1.		Business Research: Design and Methods	3(3-0)
2.		Management Thoughts and Philosophy	3(3-0)
3.		Issues in Strategic Finance	3(3-0)
Semester II			
4.		Applied Statistical Techniques in Business	3(3-0)
5.		Issues in Strategic Management	3(3-0)
6.		Issues in Strategic Marketing	3(3-0)
Comprehensive*			
1.	MGT-805	Comprehensive Examination	0
Dissertation	MGT-820	Dissertation	12
Semester-III			
Semester-IV			
Semester-V			
Semester-VI			
Total Credit Hours			30

A graphic featuring two stylized hands, one on the left and one on the right, holding a large, light-yellow sign. The hands are a light pink color with dark blue outlines. The sign has a wavy, irregular border. The background is a solid dark blue.

OFFICE OF RESEARCH, INNOVATION & COMMERCIALIZATION

Transforming Ideas into Impact

The Office of Research, Innovation and Commercialization (ORIC) at Muhammad Nawaz Shareef University of Engineering and Technology, Multan encourage a culture of innovation and entrepreneurship that enables our researchers and faculty to translate their ideas and discoveries into impactful solutions for society. ORIC aims to foster a supportive and collaborative environment that encourages interdisciplinary research, knowledge transfer and commercialization activities both locally and globally. ORIC is committed to advance research, innovation and supporting commercialization activities.

ORIC provides a wide range of support services to the university research community including promotion of funding opportunities, quality research proposals submission and post-award management of the projects. We facilitate industry partnerships, innovation development, intellectual property management and technology transfer. We recognize the importance of global partnerships and collaborations in driving innovation and economic growth. We are actively engaged in national and international research collaborations with leading universities and research institutions. We provide opportunities for researchers and faculty members to participate in international research projects and exchange programs, enabling them to broaden their knowledge and expertise and expand their professional networks.

Our commitment to excellence in research and innovation has resulted in numerous successful commercialization ventures and we continue to explore new opportunities for collaboration and growth. We invite you to explore our website and learn more about our services, partnerships and initiatives. We look forward to work with you to advance research and innovation both locally and globally.

OBJECTIVES

- Enhance research quality, relevance, competitiveness, promote innovation and commercialization at the university.
- Support university-based research through strategic planning, streamlining of internal process, establishing and monitoring of standards, mobilizing resources for research, publicizing research achievements, identification of synergies and development of relationships with key external partners.
- Develop and maintain industry-academia linkages to promote demand driven research, entrepreneurships, technology transfers and commercialization of innovative products/services to enhance university resources and sustain local and national economy.
- Facilitate transforming research into innovations through collaborations with national and international organizations to uplift the socio economic status.
- Integrating research and education at the university to produce skilled group of future researchers, educationists and entrepreneurs.

Administrative Team

Dr. Muhammad Athar
Incharge, ORIC

Engr. Mahboob Ahmad Aadil
Manager Research

Engr. Touqeer Ahmad Raza
Manager Innovation

CENTER FOR PROFESSIONAL &
EXECUTIVE DEVELOPMENT

(CPED)

Core Functions & Student Services

Key Responsibilities & Services:

The Center for Professional & Executive Development (CPED) at MNS-UET is established to provide professional training, executive development, and industry collaboration opportunities. It bridges the gap between academia and industry through practical learning programs. CPED conducts short courses, workshops, and training sessions for students, faculty, and industry professionals. It assesses training needs through dedicated surveys and engages university faculty, industry professionals, consultants, and subject experts as resource persons. CPED also facilitates student skill development in areas such as AI & Machine Learning, Freelancing, Digital Skills, Programming, Engineering/Technical Skills, and Communication & Soft Skills.

Student Facilitation Desk / Counter Timing: Monday – Friday: 08:00 AM – 04:00 PM

Key Standard Operating Procedures (SOPs) for Students:

- Training Enrolment: Students fill out the Training Needs Survey via the CPED website or QR code, and register for relevant short courses/workshops offered each semester.
- Resource Person Application: Qualified faculty, professionals, and consultants apply through the online form to propose and deliver training courses.
- Course Proposal Submission: Resource persons submit structured course proposals which are reviewed and scheduled by the CPED team for the upcoming academic term.
- Feedback Submission: Participants complete the CPED Feedback Form after each training session to help improve program quality.
- Google Career Certificate Program: Eligible students apply through the Google form Link provided by the Focal Person (Coordinator Digital Skills & Media) and complete self-paced online courses under Google's certification framework.

Facilities & Resources

Infrastructure Highlights:

- Dedicated CPED office operational within MNS-UET city and main campus.
- Online digital presence at <https://mnsuet.edu.pk/cped/> with training announcements, registration forms, and QR-based survey access.
- Coordination with Directorate of IT for digital infrastructure support during training sessions.
- Access to university seminar halls, computer labs, and conference facilities for conducting workshops and executive training programs.
- Active social media presence on Facebook and Instagram for outreach and announcements.
- Achievements & Upcoming Initiatives for 2026–27:
- Successfully conducted multiple training sessions in 2026 covering areas such as Strategic Curriculum Modernization, Generative AI in Academics, and professional skill development.
- Launched three separate Training Needs Assessment (TNA) surveys for Students, Faculty, and Industry — results to be used for designing the 2026–27 training calendar.
- Initiated Google Career Certificate Program facilitation for eligible students in collaboration with Google.
- Upcoming: Short Courses Program for Summer 2026, covering 15 professional and technical courses.
- Upcoming: Expanded industry partnerships and corporate training programs targeting HR managers, team leads, and technical supervisors.
- Upcoming: Launch of a structured Resource Person empanelment and course-delivery framework for 2026–27.

Key Focal Person for Students

Name & Designation	Primary Role / Window	Contact Email / Ext.
Engr. Arbab Shahid Incharge CPED	Overall In-charge — CPED Operations, Training Program Management	arbabshahid30@mnsuet.edu.pk
Asim Ali Rao Lecturer CS Dept.	Coordinator — Digital Skills & Media Google Career Certificate Program Focal Person	asimalirao@mnsuet.edu.pk
Shahzaib Ahmad Ansari Assistant CPED	Student Queries, Training Registration & General Facilitation	cped@mnsuet.edu.pk

TREASURER Office



Core Functions and Students Services

Key Responsibilities & Services: (The Treasurer Office is responsible for the financial management of the University. It facilitates students through fee collection, challan generation, verification of fee payments, issuance of fee-related certificates, processing of refunds (where applicable), and coordination regarding financial matters. The office ensures transparency, accountability, and efficient financial services to support students throughout their academic journey.)

Student Facilitation Desk / Counter Timing: 08:00 AM -04:00 PM (Monday to Friday)

Key Standard Operating Procedures (SOPs) for Students:

- Student fee challan generation and issuance.
- Verification of deposited fee and fee record maintenance.
- Processing of fee instalment requests.
- Issuance of No Dues Certificate/ outstanding list regarding fee clearance.
- Processing of fee refunds as per University rules and regulations.
- Section C: Facilities & Resources (If Applicable)

Infrastructure Highlights:

- Computerized fee management and record-keeping system.
- Digital maintenance of student fee records.
- Coordination with designated banking partners for fee collection.
- Secure financial reporting and audit compliance mechanisms.

Achievements/Upcoming Initiatives for 2026-27:

- Enhancement of digital fee management services.
- Automation of student fee verification processes.
- Improved online access to fee challans and payment tracking.
- Strengthening financial transparency through digital reporting systems

Key Focal Persons for Students

Provided contact details of staff members directly responsible for dealing with student queries:

Name & Designation	Primary Role / Window Number	Contact Email / Ext.
<i>Mr. Muhammad Abid Khan (Treasurer)</i>	Overall Financial Administration Head	treasurer@mnsuet.edu.pk
<i>Dr. Asifa Maqbool (Additional Treasurer)</i>	Financial matters	add.treasurer@mnsuet.pk
<i>Mr. Muhammad Umar Farooq (Assistant Treasurer)</i>	Supervise Salary Expenditure and Budget	umarfarooq@mnsuet.edu.pk
<i>Mr. Muhammad Amir (Assistant Treasurer)</i>	Financial Matters related to Student Fee	m.amir@mnsuet.edu.pk
<i>Mr. Muhammad Hamza Niaz (Junior Clerk)</i>	Non-Salary Expenditure	hamza.niaz@mnsuet.edu.pk
<i>Mr. Gulzar Haider (Junior Clerk)</i>	Non-Salary Expenditure	gulzar.haider@mnsuet.edu.pk
<i>Mr. Mubashir Jamil (Junior Clerk)</i>	Student Fee Matters	mubashirjamil10@mnsuet.edu.pk

Quality Enhancement Cell

QEC



Role of the Quality Enhancement Cell (QEC)

The Quality Enhancement Cell (QEC) at Muhammad Nawaz Sharif University of Engineering and Technology (MNS-UET), Multan, serves as the University & central quality assurance unit, established in accordance with the Higher Education Commission(HEC) Quality Assurance Framework. The QEC provides strategic leadership in developing, implementing, and monitoring institutional quality assurance mechanisms that strengthen academic standards, institutional effectiveness, and evidence-based decision-making. It works collaboratively with academic and administrative units to ensure compliance with HEC quality standards, statutory and regulatory requirements, and the criteria prescribed by national and international professional accreditation councils. Through systematic evaluation, stakeholder engagement, and continuous improvement initiatives, the QEC promotes excellence in teaching, learning, governance, and academic administration.

Core Functions of the Quality Enhancement Cell (QEC)

The QEC is responsible for:

- Implementing and monitoring the HEC Quality Assurance Framework across the University.
- Conducting Program Self-Assessment (PSA) and facilitating the preparation and implementation of Self-Assessment Reports (SARs) and Quality Enhancement Plans (QEPs).
- Coordinating institutional and program-level quality assurance reviews and monitoring continuous improvement.
- Supporting compliance with HEC policies and the standards of relevant professional accreditation councils, including accreditation preparedness and follow-up.
- Facilitating academic departments in quality assurance documentation, accreditation, and external quality audits.
- Administering and analyzing student, faculty, alumni, employer, and graduate feedback surveys to support quality enhancement.
- Maintaining institutional quality records, performance indicators, and evidence for quality monitoring and accreditation.
- Preparing evidence-based reports to support academic planning, governance, and informed decision-making.
- Organizing workshops and training on quality assurance, Outcome-Based Education (OBE), and continuous quality improvement.
- Promoting a culture of quality, accountability, stakeholder engagement, and continuous improvement throughout the University.

Student Engagement in Quality Assurance

Student Facilitation Desk / Office Hours: Monday to Friday: 8:00 AM – 4:00 PM (Official University Working Hours)

Student Responsibilities:

- Participate in course and teacher evaluation surveys within the prescribed timelines.
- Provide objective, constructive, and honest feedback to support academic quality enhancement.
- Participate in institutional quality assurance initiatives, where applicable.
- Adhere to the University's policies on academic integrity and ethical conduct.
- Comply with the procedures and guidelines communicated by the Quality Enhancement Cell (QEC).

Strategic Priorities for 2026-27

- Promote a culture of continuous improvement and institutional excellence.
- Encourage stakeholder engagement in quality enhancement processes.
- Support innovation and digital transformation in academic quality management.
- Strengthen collaboration to achieve institutional quality goals.
- Advance the University's commitment to national and international quality standards.

QEC Team

Name & Designation	Primary Role	Contact Email
Engr. Dr. Rooha Masroor (Incharge, Quality Enhancement Cell)	Provides strategic leadership for the University's quality assurance system and oversees the implementation of institutional quality policies, HEC Quality Assurance Framework requirements, and continuous quality enhancement initiatives.	roohamasroor@mnsuet.edu.pk
Engr. Muhammad Humza Khan (Coordinator, Quality Enhancement Cell)	Coordinates institutional quality assurance processes, programme self-assessment, quality reviews, accreditation support activities, and academic quality monitoring.	Hamzakh@mnsuet.edu.pk
Engr. Nashitah Alwaz (Assistant, Quality Enhancement Cell)	Supports the implementation of quality assurance processes through coordination of surveys, documentation, data management, and administrative support for QEC operations.	nashitah.alwaz@mnsuet.edu.pk

Rules & Regulations Relating to Admissions, Examinations & Discipline

IMPORTANT INFORMATION**1. Definitions**

- “**University**” means the University of Engineering and Technology, Lahore
- “**College**” means the Constituent/Affiliated College of the University
- “**Faculty**” means the concerned faculty of the University
- “**Vice-Chancellor**” means the Vice-Chancellor of the University
- “**Pro Vice-Chancellor**” means the Pro Vice-Chancellor of the University
- “**Dean**” means the Dean of the concerned faculty
- “**Principal**” means the Principal of a college
- “**Chairperson**” means the Chairperson of the concerned department of the University/College
- “**Controller**” means the Controller of Examinations of the University
- “**Student**” means a bonafide student of a degree program of the University who does not maintain admission simultaneously in any other degree/diploma program of the University or in any other Institution
- “**Candidate**” means a student who intends to appear in an examination
- “**Board of Studies**” means the Board of Studies of the concerned discipline of the University/College

Explanations

- The pronoun “he” and its derivatives are used for both male and female persons.
- Depending upon the context, the words imparting the singular number include the plural number as well.

2. Modification of Rules and Regulations

The rule and regulations governing various aspects of students’ life at the University (such as discipline, admissions, examination, migration, fees and charges, etc.) are given in this prospectus as they stood at the time of its publication. There is no guarantee that these rules and regulations will remain unchanged throughout a student’s stay at the University, nor does it in any way restrict or curtail the inherent powers for the University authorities to modify them whenever in their judgment any modifications are called for, and to implement the modified rules and regulations from a date which they deem appropriate.

3. Special Provisions

- In all cases where the regulations are silent, the decision of the Vice-Chancellor shall be final.
- Interpretation of these rules and regulations by authorized officers of the University shall be final.
- The University authorities reserve the right to make any changes in the existing regulations, rules, fee structure and courses of study that may be considered necessary at any time without prior notice.
- No student is allowed to maintain simultaneous enrollment in any other program of studies in the University or any other educational institution within or outside Pakistan, unless permitted by the competent authority as an Exchange Student.
- In case a student enrolled in this University is found to be a regular student of some other university/institution, whether local or foreign, his admission in this university shall be canceled.
- Students are required to know the rules and regulations mentioned in the prospectus and notified time to time. Ignorance of rules and regulations does not absolve them of their responsibilities and shall not be treated as an excuse.
- The Vice-Chancellor has been authorized by the Syndicate, on the recommendations of the Deans, to make amendments in these regulations and remove any difficulties faced during implementations of these regulations.

4. Liability for Injury, Damage and Loss

The University teaching programs include training in its workshops and laboratories, places of engineering and architectural interest, industrial concern, and construction jobs. The University or other concerns shall not be responsible in the event of an injury, damage or loss to a student resulting from any cause whatsoever during the course of such training.

UNDERGRADUATE SEMESTER REGULATIONS

Introduction

The following regulations govern the Semester System of teaching and examination for the Undergraduate degrees awarded by the University of Engineering and Technology (MNS-UET), Multan.

- The Undergraduate degrees offered at the University under the Semester System are classified as Bachelor of Science (B.Sc. and B.S.) and Bachelor's degrees. B.Sc. degrees are offered in Engineering disciplines, Technology disciplines, Computer Science, and City and Regional Planning. Bachelor's degrees are offered in Architecture, Product and Industrial Design, Business Administration, and Business Information Technology. B.S. degrees are offered in Chemistry, Mathematics, and Physics.
- The masculine gender used in the following regulations implies male students as well as female students.
- The term faculty member, instructor, or teacher when mentioned in these regulations would refer to the concerned faculty member, instructor, or teacher, if not mentioned as such.
- The medium of instruction and examinations shall be English for all subjects except Islamic Studies and Pakistan Studies for which the medium of instruction and examinations may be either Urdu or English.
- The term "Academic Year" refers to the period of study at the University spread over one calendar year period. The Academic Year is further divided into semesters.
- The term "Contact Hour" refers to a 50-minute period of contact with the students.
- The term "Credit Hour (CH)" refers to a unit of academic credit during a semester. Each credit hour is related to one or more "Contact Hours per week" according to subject type and the semester in which it is offered as defined in these regulations.
- The term "Pre-requisite" refers to subjects that must be successfully completed prior to registration in a subject requiring these pre-requisites.
- The term "Co-requisite" refers to subjects that must be registered simultaneously if studied for the first time. During repetition, simultaneous registration of such subjects is not necessary.
- The term "Tutor" refers to a teacher appointed as an advisor and counselor to a group of students, and the term "Tutorial" refers to a scheduled session with their tutor.

Degree Duration

- The minimum duration of the undergraduate degree programs shall not be less than four academic years in the case of Business Administration, Business Information Technology, Chemistry, Computer Science, City and Regional Planning, Engineering, Engineering Technology, Energy Systems Management, Environmental Science, Food Science and Technology, Mathematics, Physics, Product and Industrial Design, and five academic years in the case of Architecture.
- The maximum duration of the degree program shall not be more than six academic years for programs with a minimum duration of four academic years and seven academic years for programs with a minimum duration of five academic years.

Extension Beyond Maximum Duration

- The Vice-Chancellor may grant extensions up to a maximum period of one year beyond the maximum duration for completing requirements for the award of the degree. Students requiring an extension may apply to the Vice-Chancellor for this purpose.
- A student would be separated from the University if they require an extension beyond one year.
- Separated students can apply to the Vice-Chancellor for re-admission. If their application is accepted, the concerned department will transfer subjects from the previous registration in accordance with the prescribed rules and assign them to an Entry Session for the purpose of computing their maximum degree duration. They will be allotted a new entry session as per the recommendation of the department and a new registration number.
- A re-admitted student will not be granted a second re-admission if they are separated a second time from the University.

Student Status

- Students shall be classified (1) on the basis of the number of credit hours registered in a semester and (2) on the basis of credit hours completed.
- The students are classified as per the following nomenclature on the basis of credit hours registered during a semester:
- Students registering in at least 12 credit hours during fall and spring semesters and 6 credit hours during the summer semester within the minimum duration of their respective degree programs shall be called "Regular."
- Students shall be classified as "Casual" students if they register for less than 12 credit hours during fall and spring semesters and less than 6 credit hours during the summer semester; or if they register for subjects after the completion of their minimum degree duration period.

The students are classified as per the following nomenclature on the basis of credit hours completed:

- "First Year" students if they have successfully completed less than or up to 32 credit hours of the prescribed syllabus;
- "Second Year" students if they have successfully completed more than 32 credit hours but up to 68 credit hours of the prescribed syllabus;
- "Third Year" students if they have successfully completed more than 68 credit hours but up to 104 credit hours of the prescribed syllabus;
- "Fourth Year" students, in the case of a five-year degree program only, if they have successfully completed more than 104 credit hours but up to 136 credit hours of the prescribed syllabus;
- "Final Year" students if they have successfully completed more than 104 credit hours, in the case of a four-year degree program, and more than 136 credit hours, in the case of a five-year degree program, of the prescribed syllabus.

Credit Hours Requirements

The credit hours required for the award of a degree may range from a minimum of 134 to a maximum of 140 for degree programs with a minimum duration of four academic years and from a minimum of 166 to a maximum of 174 for degree programs with a minimum duration of five academic years. These will include a minimum of 6 credit hours of a "final year design project" or equivalent spread over two semesters.

Semesters Nomenclature, Duration, and Registration Matters

- There shall be two regular semesters, namely fall and spring semesters, and an optional summer semester during each academic year.
- Fall and spring semesters will be spread over 16 to 18 weeks including examinations with at least 15 study weeks during the semester. The duration of the summer semester will be 8 weeks including examinations, with weekly contact hours being double those of fall and spring semesters.
- The maximum and minimum permissible number of students to be allowed registration in a subject section will be decided by the concerned Board of Studies.
- Students may consult their tutors for registration guidelines.
- Registration limits for students are given as under:
 - a. First-year and second-year students may be allowed to register for at most 19 credit hours during fall and spring semesters.
 - b. Students of the third year and beyond may be allowed to register for at most 22 credit hours during fall and spring semesters.

At most 8 credit hours during the summer semester.

- Registration will only be allowed in a subject if the prerequisites, if any, for this subject have been completed successfully.
- Registration in a subject section will be closed if the maximum permitted number of students has registered for it.
- A subject section will be closed if less than the minimum number of students register in that section. Students who have been denied registration due to a closure of a section may add some alternate subject(s) during the add and drop period.
- During the summer semester, selected subjects will be offered in accordance with departmental policy for that semester.

Curriculum and Classification of Subjects

- a) The curriculum, subject identification numbers, the credit hours allocated to each subject, and the detailed syllabus shall be according to the proposals made by the Board of Studies and the Board of Faculty concerned and approved by the Syndicate on the recommendations of the Academic Council.
- Subjects are classified as:
- "Theory," wherein the primary mode of teaching shall be lectures given by teachers supplemented by home assignments. For the purpose of these regulations, subjects of this type shall be referred to as Type-A;
- "Practical," wherein the primary mode of teaching shall be experiments, studio laboratory, designs, drawings, assignments, and projects conducted/executed by students as specified in the syllabus. For the purpose of these regulations, subjects of this type shall be referred to as Type-B;
- "Comprehensive Projects," wherein students engage in the design and development of a project under the direct supervision of teachers in a laboratory/studio/workshop/industry, spread over one or two regular semesters in an academic year. For the purpose of these regulations, subjects of this type shall be referred to as Type-C.

Type-A Subjects Evaluation and Contact Hours

- In Type-A subjects, there shall be a mid-term examination of at least one hour duration and a comprehensive final examination of at least one and a half hours duration. These examinations shall carry 30% and 40% weight, respectively. The comprehensive final examination will include 20% questions from the pre-midterm syllabus. The teacher shall schedule additional assessment instruments such as quizzes, assignments, presentations, seminars, group discussions, field study reports, etc., as specified in the syllabus or as determined by the teacher. These assessment instruments shall carry the remaining 30% weight of the subject.
- There shall be one contact hour per week during fall and spring semesters and two contact hours per week during the summer semester for each credit hour assigned to Type-A subjects.

Type-B Subjects Evaluation and Contact Hours

- In Type-B subjects, each Experiment, Studio work, Jury Presentation, Design, Drawing, Project, or Assignment shall be considered as an independent assessment instrument. Cumulative performance in all independent assessment instruments shall form the basis for evaluating a student.
- There shall be two to three contact hours per week during fall and spring semesters and four to six contact hours per week during the summer semester for each credit hour assigned to Type-B subjects.

Type-C Subjects Evaluation and Contact Hours

- In Type-C subjects, each exercise, project, or assignment shall be assessed for process during its lifetime (Continuous Assessment) while the end product shall be assessed, right after its submission, through Viva-Voce / Jury examination (Terminal Assessment).
- Continuous Assessment and Terminal Assessment of Type-C subjects may carry 60 and 40 percent weight, respectively.
- External Examiners/Jurors shall be involved in the assessment of all Type-C subjects.
- There shall be two to four contact hours per week during fall and spring semesters for each credit hour assigned to Type-C subjects.

Award of Letter Grades

1. The subject teacher, having interacted with the students, taught them, and assessed them over the semester, shall award letter grades to the students. The Chairperson of the concerned degree-awarding department will be consulted while finalizing the letter grades. Letter grades in each Type-A subject shall be awarded on a Relative Scale, whereas letter grades in Type-B and Type-C subjects may be awarded on an absolute scale if deemed fit by the subject teacher.
2. Following steps in awarding letter grades on a relative scale may be followed:
 - Minimum marks threshold linked to content mastery shall be established for the award of a passing letter grade. Students earning marks below this threshold shall be awarded an "F" grade;
 - Expected maximum marks threshold shall also be established. Student(s) crossing the maximum threshold, if any, will be awarded an "A+" grade. The grade points of "A+" and "A" are the same. As such, it is expected that only exceptional students demonstrating outstanding results are given recognition by the award of this grade.
 - Students earning marks between the maximum and minimum thresholds are listed in descending order of merit, and the average and standard deviation are computed;
 - Passing letter grades are awarded according to the table given below, with "A" being the highest passing grade and "D" being the lowest passing grade.

- The cluster of students falling within half a standard deviation of average marks may be graded as “C+” or “B-”;
 - Other passing letter grades may be awarded on the basis of clusters of students within narrow ranges for a population of less than 100; or on a normal curve basis if the population of students is more than 100;
 - It is not essential that every class should have all letter grades awarded; that is, it is possible that a class does not have any student below the minimum threshold; or in another scenario in which no student, in the opinion of the instructor, is eligible for the award of an “A” grade. There may be cases where no student qualifies for some intermediate grade.
 - An upper limit on the percentage of students in a subject who can earn a particular passing grade may be placed, if required.
- The letter grades and their corresponding grade points (GP) are given in the table below.

Table LetterGrades & Corresponding Grade Point

A+	A	A-	B+	B	B-	C+	C	C-	D+	D	F	W	WF	I	IP
4.0	4.0	3.7	3.3	3.0	2.7	2.3	2.0	1.7	1.3	1.0	0	-	-	-	-

- Subjects repeated to improve grades, excluding "W" or "WF" grades, will be shown on the transcript with a suffix "R".
- The subject teacher may award an “F” grade to a student if he is convinced, while checking the answer script of the mid-term or final examination, that the student has cheated. The subject teacher will give the student an opportunity to defend himself before the award of this “F” grade.

Result Matters

Result Computation Method

The Grade Point Average (GPA) and Cumulative Grade Point Average (CGPA) shall be computed according to the following formula:

$$GPA = \frac{\sum_{i=1}^n (GP_i \times CH_i)}{\sum_{i=1}^n CH_i}$$

WHERE N IS THE NUMBER OF SUBJECTS IN THE SEMESTER FOR WHICH GPA IS BEING COMPUTED.

$$CGPA = \frac{\sum_{i=1}^m (GP_i \times CH_i)}{\sum_{i=1}^m CH_i}$$

WHERE M IS THE NUMBER OF TOTAL SUBJECTS COVERED IN ALL SEMESTERS UP TO THE SEMESTER FOR WHICH CGPA IS TO BE COMPUTED.

AUTHORITY TO COMPUTE RESULTS

GRADE POINTS (GP) IN EACH SUBJECT, SEMESTER GRADE POINT AVERAGE AND CUMULATIVE GRADE POINT AVERAGE OF EACH STUDENT SHALL BE COMPUTED AND NOTIFIED BY THE CONTROLLER OF EXAMINATIONS AT THE END OF EACH SEMESTER.

AWARD OF "W" , "WF", "I" AND "IP" GRADES

WITHDRAWAL ("W" GRADE)

- A STUDENT MAY BE ALLOWED TO WITHDRAW FROM A SUBJECT IN WHICH HE IS REGISTERED. APPLICATIONS (FORM 1) TO WITHDRAW FROM A SUBJECT SHALL BE ENTERTAINED LATEST UP TO THE 6TH STUDY WEEK DURING FALL AND SPRING SEMESTERS AND UP TO 3RD STUDY WEEK DURING SUMMER SEMESTER. WITHDRAWN SUBJECTS SHALL APPEAR IN THE TRANSCRIPT WITH A LETTER GRADE "W" AND SHALL NOT BE USED IN COMPUTATION OF GPA. IN THE TRANSCRIPT, SUBJECTS REPEATED AFTER WITHDRAWAL WILL NOT BE SUFFIXED WITH A "R".
- IF A STUDENT WITHDRAWS FROM A SUBJECT, WHICH HE IS REPEATING, THE PREVIOUS GRADE EARNED WILL BE RETAINED IN COMPUTATION OF CGPA AND IN ASSESSING DEGREE COMPLETION REQUIREMENTS.

FORCED WITHDRAWAL ("WF" GRADE)

- A STUDENT REGISTERED IN A SUBJECT MAY NOT BE PERMITTED TO CONTINUE DUE TO SHORTAGE OF ATTENDANCE OR OTHER DISCIPLINARY ACTION. SUCH STUDENTS SHALL BE AWARDED A FORCED WITHDRAWAL (WF) GRADE. IT SHALL APPEAR IN THE TRANSCRIPT AS SUCH AND SHALL NOT BE USED IN COMPUTATION OF GPA. SUBJECTS REPEATED AFTER FORCED WITHDRAWAL WILL NOT BE SUFFIXED WITH "R".
- IF A STUDENT IS WITHDRAWN FROM A SUBJECT, WHICH HE IS REPEATING, THE PREVIOUS GRADE EARNED WILL BE RETAINED IN COMPUTATION OF CGPA AND IN ASSESSING DEGREE COMPLETION REQUIREMENTS.
- A STUDENT WHO DOES NOT DROP A SUBJECT NOR APPEARS IN ANY ASSESSMENT INSTRUMENT WILL NOT BE ELIGIBLE FOR A "WF" GRADE AND WILL BE AWARDED AN "E" GRADE

Incomplete “I” Grade

A student who, because of illness or any other acceptable reason, fails to complete the required assignments in any subject may be awarded an Incomplete (I) grade as an interim grade. Students having less than 50% attendance will not be eligible for the award of this grade. This grade shall appear on the transcript temporarily until it is replaced by the actual grade and will not be treated as an "F" grade. The student receiving such a grade shall make up the unfinished portion of their subject to the satisfaction of the faculty member who awarded this grade and is given a letter grade as per regulation 10 at the discretion of the faculty member without prejudice to the previous grade "I". In case the student fails to complete the unfinished portion within the following semester, i.e., the spring semester for an “I” grade awarded in the fall semester and the fall semester for an “I” grade awarded in the spring semester, their "I" grade would be converted to an "F" grade by the Controller of Examinations. The responsibility for completing the unfinished portion and satisfying the faculty member lies with the affected student.

In Progress “IP” Grade

- Type “C” subjects, like theses, projects, studio work, etc., spread over more than one semester may be graded as "IP" until completion of these subjects. This grade shall be recorded on the transcript and will not be treated as an "F" grade.
- Each portion of a Type “C” subject spread over two semesters may have been prescribed different nomenclature and different subject codes. The first portion of such a subject may be graded as “IP” upon completion if the department decides to award the final letter grade upon completion of the second portion.
- It shall appear on the transcript as such and shall not be used in the computation of GPA. Grades assigned in the semester in which the subjects are completed will be used in the computation of Semester GPA with total credit hours of the subjects being counted for this purpose.

Repetition of Subjects

- Students are permitted to repeat subjects to improve their grades in a semester within their maximum credit hours registration limit.
- Separate repetition of the Type B part or Type A part of a subject, which is a combination of Type A and Type B, is permitted. In the case of repetition of a subject, the new grade earned shall replace the previous grade, whether high or low, in the calculation of CGPA.

Probation and Separation**1. Academic Probation**

A student will be placed on academic probation if their CGPA falls below 2.0 after any semester.

2. Separation

- A student will be separated from the University if he remains on probation for a number of consecutive semesters as per the schedule given below:
- First-year students as defined in these regulations: Two consecutive semesters. Advantage of repetition during summer, falling in between or after the two regular semesters on probation, is given to the student.
- Second-year students as defined in these regulations: Three consecutive semesters. Advantage of repetition during summer, falling in between or after the two regular semesters on probation, is given to the student.
- Students after completing their second year as defined in these regulations will not be separated on account of academic probation.
- A student would be separated from the University if he requires an extension beyond one year in the maximum permissible period for completion of degree requirements.
- Students who do not register in any subject during their first semester after admission will be separated from the University.
- Students have the option to freeze or skip a semester by not registering in any subject during that semester (other than the first semester). However, they will be separated if they do not register in any subject in a semester without intimating their decision to the Students Section.

2. Disposal of Separated Students

- Separated students can apply to the Vice-Chancellor for re-admission. If their application is accepted, the Examination branch will transfer subjects from the previous registration in accordance with the prescribed rules and assign them to an Entry Session for computing their maximum degree duration. They will be allotted a new registration number.
- A re-admitted student will be required to pay the admissible dues for one extra year even if he completes his degree requirements with his original entry session or a semester later.
- A re-admitted student will not be granted a second re-admission if he is separated a second time from the University.

3. Changing Discipline after Admission

- A student, after the first year of study at the University, may opt for a change in discipline. The minimum admission merit of the discipline being opted for must be equal to or lower than the merit of the opting student at the time of his admission.
- The student opting to change his discipline after the first year must apply to the Vice-Chancellor through his Chairperson and the Dean. Acceptance shall depend on the availability of seats in the opted discipline.
- a) On acceptance of his request, the student shall start afresh with credit being given for any University core subjects studied in the first year in the original discipline. He will be issued new registration number and his maximum permissible duration count will start afresh.

- Students cannot opt for a change in discipline after their second year at the University.

4. Award of Degree and Merit Position

Students who are eligible for the award of a degree are required to submit a Degree Requirements Completion Form (Form 2) to their respective Chairperson for onward submission to the Controller of Examinations. Degree status would be decided only after receipt of this form.

Students shall qualify for the award of an undergraduate degree if they earn a minimum CGPA of 2.0 and satisfy the following conditions:

- Have no compulsory outstanding subjects with "W," "WF," "I," and "F" grades during all semesters of a degree program.
- Have repeated elective subjects in which "W," "WF," or "F" grades have been earned or have studied alternate elective subjects in lieu of these to fulfill the credit hours requirement.
- Have completed the prescribed number of credit hours.

Students shall qualify for a "Degree with Honors" if they satisfy the following conditions:

- Have earned a CGPA of 3.70 or above out of a maximum of 4.00.
- Have not repeated a subject.
- Have not withdrawn from a subject with a "W" or "WF" grade; and
- Have not earned an 'F' grade in any core or elective subject during the course of study.

Medals and merit positions will only be awarded to students who have earned a degree with honors. The awards will be based on the CGPA earned at the time of graduation. Comparison will be made within the students of the same entry session graduating in the minimum permissible duration. Immigrating and readmitted students will not be eligible for any medal or merit position.

Dean's Honor Roll

At the end of each semester, there shall be a "Dean's Honor Roll" of students earning a Semester GPA of 3.7 and above without any "W," "WF," or "F" grade while registered in at least 15 credit hours during that semester. There shall not be any Dean's Honor Roll for the summer semester.

Grievance Committee and Grade Change Request

1. The examination regulations provide sufficient transparency by mandating teachers to show the result of all assessment instruments, including the final examination, to their students. Sufficient time is provided to students, even after finalization of the award list, to point out errors and omissions and get them rectified. As such, the following aspects will neither be reviewed nor discussed while interpreting the provisions of this regulation:

- Marks awarded by the teacher in any of the assessment instruments;
 - Letter grade thresholds;
2. A student has two options for redress of grievances. The first option can only be exercised during the semester and the second option after the declaration of semester results.
- During the semester: A student may file a grievance petition with the Chairperson of his department during a semester if sufficient opportunity is not provided to him to review the assessment instruments as prescribed in the Examination regulations. The Chairperson will form a 3-member departmental Committee headed by a senior faculty member to redress the grievance. It will be mandatory for the Committee to hear both sides (student and the teacher) and recommend corrective action within 5 days after filing of the grievance. The recommendations of the Committee will be binding on the teacher as well as the student.
 - After Declaration of Semester Result: A student may submit a Grade Change Request (Form 3) to the Chairperson's office stating the specific reason for the change in grade. Grade Change requests must be submitted no later than one week after the first grade was posted or within the first week of the following semester, whichever is later. The request will be routed to the concerned faculty member. Normally, the only person who can change a grade is the faculty member who assigned the grade; however, in case that faculty member is no longer available or cannot be reached, the department's Chairperson has the authority to evaluate the situation and change a grade, if required. When a grade is to be changed, the Chairperson shall forward the case to the Dean with justification for the change. The result will be modified after the approval of the Dean.

Students Registration and Hostel Accommodation

- Regular and casual students may register for subjects being offered during that semester within their maximum permissible credit hours registration limit.
- The student may add or drop subjects within the first three weeks of fall and spring semesters and within the first week of the summer semester.
- A student who is fulfilling requirements of an "I" grade in a semester is not required to register in the subject in which he has been awarded an "I" grade.
- Casual students will not be eligible for hostel accommodation. However, foreign casual students may be allowed to continue staying in hostels by the Senior Warden after the approval of the Vice-Chancellor.

Deferment of Studies (Freezing)

- Students enrolled in the first semester cannot apply for deferment.
- There shall be no relaxation in the maximum degree duration period for students seeking deferment.
- A student may defer studies for at most two consecutive regular semesters, for medical or other circumstances beyond their control, with the summer semester not being counted. In such cases, the student shall apply (Form 4) to the Chairperson concerned, at least 15 days before the commencement of the semester, for approval of deferment by the concerned Dean. The CAC, after approval, shall notify deferment for a specified period.

Attendance Requirements

- Students failing to maintain a minimum attendance of 75% in a subject during a semester shall be awarded a "WF" grade. The Chairperson, in consultation with the respective Dean, shall review cases of students seeking relaxation of up to 10% in attendance requirement. The relaxation shall be allowed after approval by the Dean. Any relaxation in excess of 10% shall be forwarded to the Vice-Chancellor through the respective Dean for a final decision.
- Leaves availed by a student after approval of the Chairperson will not be counted towards attendance.
- Students eligible for the award of an "I" grade will be awarded such a grade only if their attendance is at least 50%.

EXAMINATION REGULATIONS

Evaluation Process of Subjects

1. Evaluation of Type-A Subjects

- For mid-term and final examinations of Type-A subjects, the teacher of a subject shall set the question paper for that subject, supervise its examination, mark the answer books, and prepare the award list. Any teaching resource provided to assist a teacher cannot be tasked with marking answer books of mid-term and final examinations.
- Every teacher of Type-A subjects shall return the marked quizzes, assignments, etc., and mid-term examination scripts to the students for review, and in the case of presentations, etc., communicate the earned score to the student within one week of the event. Mid-term scripts, however, would be recovered from the students and deposited with the Chairperson concerned.
- At the end of the scheduled teaching period of a semester but before the commencement of the final examinations, the teacher shall prepare and display the Interim Award List. Composition, display, correction, and reporting requirements/procedures of the Interim Award List shall be as prescribed in these rules.
- Teachers would mark the final examination scripts and prepare and display the complete Award List, excluding letter grades, within one week after the examination of the subject.
- The students may be shown the final examination marked scripts before the submission of the Comprehensive Award List to the Controller of Examinations, if they so desire.

2. Evaluation of Type-B Subjects

- Teachers of Type-B subjects shall keep all students informed of their performance at every stage in each category of task performed. Immediately after the end of each stage/assessment event, teachers shall prepare and communicate the earned score to the student in that stage/assessment event.

- At the end of the semester and before the end of the examination period, teachers shall prepare and display the Interim Award List. Content and other requirements regarding the Interim Award List shall be as prescribed in these rules.
- After following the procedures and requirements regarding the Interim Award List, the teachers shall prepare and display the complete Award List, excluding letter grades, within one week after the end of the scheduled teaching period.

3. Evaluation of Type-C Subjects

- Teachers of Type-C subjects shall keep all students informed of their performance at every stage in each category of task performed. Immediately after the end of each stage/assessment event, teachers shall prepare and display a list of the earned scores of each student in that assessment instrument.
- At the end of the first of the two semesters of a Type-C subject and before the end of the examination period, teachers would prepare and display an Intermediate Award List. This list would be similar to the Comprehensive Award List of Type-A and Type-B subjects except that letter grade assignment based upon this list will be limited to the "IP" Grade.
- At the end of the second of the two semesters of a Type-C subject and before the end of the examination period, teachers shall prepare and display the Interim Award List. Content and other requirements regarding the Interim Award List shall be as prescribed in these rules.
- Within one week of the conduct of the Viva-voce/Jury examination, internal and external examiners shall prepare and display the complete Award List excluding the letter grades.

4. Interim Award List

- The Interim Award List would show the percentage as well as the weighted score of each stage/assessment instrument of that subject, including the mid-term examination in the case of Type-A subjects.
- The Interim Award List will be communicated to all students via electronic means and/or displayed on the Notice Boards for at least two working days to permit students to point out any anomalies, errors, omissions, etc. in the list.
- The teachers shall give due consideration to any anomalies, errors, omissions, etc. in the list pointed out by any student and may correct the list.
- Any further processing of the list shall be carried out only after it has been displayed on the Notice Boards for the mandatory period and decisions regarding all matters pointed out by students have been taken.

5. Comprehensive Award List

- The Comprehensive Award List shall show, for each student:
- The weighted combination of the Interim Award and Final Examination award in percentage format and Letter Grades corresponding to the comprehensive award.
- Sealed Comprehensive Award List will be sent to the Controller by the concerned teacher with a copy to the Chairperson for record only.

6. Delay in Submission of Results

After passage of six working days from the date of scheduled final examination period, Controller of Examinations will submit a report to the Vice-Chancellor on the status of submitted results. The Vice-Chancellor will decide on the fate of teachers failing to submit their results within the prescribed time.

Conduct of Examination of Type A Subjects Under Semester System**1. Question Papers**

- All question papers are set by the concerned teacher.
- The paper setters, who also ensure their correctness, supervise the photocopying or duplicating of the papers.
- Question papers are kept in the safe custody of the teacher till the start of examination. He shall bear legal and moral responsibility for the safecustody and secrecy of the question papers.

2. Reference Material during Tests/Examinations

Prior to class tests, mid-term/final examination, the subject teacher announces such books, notes or other material that can be referred to by the students during the test or examinations. All other books, notes, papers, etc., are withdrawn from the examinees.

3. Examination Schedule

The Chairperson of the department publishes the mid-term and final examination schedule at least two weeks before start of the examinations in accordance with the University's academic calendar.

Conduct of Mid-Term and Final Examinations

a) The Chairperson shall depute teachers or staff as Deputy Superintendent and Invigilators for the conduct of examinations. The number of invigilators will be estimated on the basis of one invigilator for every twenty-five students.

b) The subject teacher shall be the Superintendent for the conduct of the examination. The Superintendent shall ensure the following:

- That all answer books used in the examination are signed or initialed. The teacher may require the students to answer on the question paper itself. No other answer book is to be used in this case.
- Answer books are issued to the invigilators 5 minutes before the commencement of the examination and retrieved at the end of the examination.
- The absentee report, if any, is prepared and forwarded to the Chairperson's office at the end of each examination.

Teachers or Staff acting as invigilators are detailed by the respective Chairperson. They ensure the following:

- That the students are identified through means such as a University identification card or a valid photo ID.
- That the students are warned against the use of unfair means and have been advised to surrender mobile phones, notes, papers, or other unauthorized material before the commencement of the examination.
- That the students are not allowed to talk with or copy from other students during the examination.
- That no student is allowed to join the examination thirty minutes after its commencement.
- That no student is allowed to submit the answer sheet and leave the examination room within thirty minutes of the commencement of the examination. Visits to toilets are carefully controlled.
- That the question papers and answer books of a student detected using unfair means or assisting another candidate are taken away, and the matter is reported to the Controller of Examinations. The Superintendent records all available evidence to be used as proof later on.
- That the students write their registration numbers, name, and class on the front cover of each additional answer sheet used. If more than one answer book is used, these are stapled together.

The subject teachers, being the Superintendent(s), shall:

- Supervise distribution of the question papers to the students according to the schedule published.
- Be available in the examination center during the examination of their subject to clarify any query and to collect answer books after the examination. In case of multiple examination centers, they must remain available near the centers.
- Report any incidence of unfair means or disobedience or hooliganism detected in the examination center to the Controller of Examinations for processing under rules governing the use of unfair means during examinations. The report must include collected evidence (if any), a written and signed statement by the invigilator detecting the incidence, and of the candidate(s) found involved.

Disposal of Answer Scripts

Answer sheets of mid-term and final examinations will be stored in the respective department for one semester after the declaration of the result of a semester. The sheets would be disposed of subsequently in a suitable manner as decided by the concerned Chairperson.

Transfer of Credits of Subjects For Migrated Students

- Students from other HEC approved universities and programs accredited by PEC or PCATP may apply for migration to this University in the same programs, in accordance with the University's Migration Rules. The following conditions shall govern the transfer of subjects (credits) to the University for subjects studied elsewhere. Subjects that do not satisfy these conditions shall not be transferred nor given any credit:
- The subject must correspond to a subject offered by MNS-UET or be deemed equivalent in depth and intensity.
- The student must have earned at least “40%” marks in the case of an absolute grading system or a minimum of "C" grade or higher in a letter grading system similar to the one in this University. In case any other grading system is used, the department shall decide with the above minimum limits in perspective. If both letter grades and marks are mentioned on the transcript, only the letter grade will be considered for the purpose of the transfer of semester credits.
- The cumulative credits accepted for transfer in any program should not exceed one-half (50%) of the total credits required to complete that particular program, in any case.
- The credits transferred are counted towards the degree requirements of the student. However, the GPA of transferred credits shall not be counted towards the calculation of CGPA, and only “Transferred” shall be written against those subject(s) in which the transfer of credits was allowed. In addition, migrated students shall neither be eligible for a merit position nor a degree with Honors.
- A migrating student may be deficient in subjects as compared to the class which he has joined. Such a student shall repeat these subjects. In case he is studying a particular subject for the first time, it will not be classified as a repeated subject for him.

Transfer of Credits of Subjects For Newly Admitted/Re-admitted Students

(Newly admitted students in this clause imply those students who have been permanently separated from MNS-UET and have secured admission as fresh students after completing the MNS-UET admission process)

"Subjects" and "grades of subjects," studied during the previous five years from the date of re-admission, in which they have earned a grade of "C" or above, shall stand transferred, and the students shall be placed in the semester recommended by the department. In addition, re-admitted or newly admitted students availing this facility shall neither be eligible for a merit position nor a degree with Honors.

Transfer of Credits of Subjects For Double Degree Students

Credit hours of subjects, as recommended by the concerned department, in which they have earned a minimum of 40% marks or a minimum grade of "C" (as the case may be) during their first degree program within the University shall stand transferred, and they shall be placed in the semester recommended by the department. The credits transferred are counted towards the degree requirements of the student. However, the GPA of transferred credits shall not be counted towards the calculation of CGPA, and only "Transferred" shall be written against those subject(s) in which the transfer of credits was allowed. In addition, double degree students shall neither be eligible for a merit position nor a degree with Honors.

Transfer of Credits of Subjects For Exchange Students

1. Following conditions shall govern the transfer of subjects (credits) to the University for subjects studied elsewhere as Exchange students under an HEC or University approved scheme. Subjects that do not satisfy these conditions shall not be transferred nor given any credit.
 - The subject must correspond to a subject offered by MNS-UET or be deemed equivalent in depth and intensity.
 - The student must have earned at least "40%" marks in the case of an absolute grading system or a minimum of "C" grade or higher in a letter grading system similar to the one in this University. In case of any other grading system, the department shall decide with the above minimum limits in perspective. In case both letter grades and marks are mentioned on the transcript, only the letter grade will be considered for the purpose of the transfer of semester credits.
2. The credits transferred are counted towards the degree requirements of the student. However, the GPA of transferred credits shall not be counted towards the calculation of CGPA, and only "Transferred" shall be written against those subject(s) in which the transfer of credits was allowed. In addition, such students shall neither be eligible for a merit position nor a degree with Honors.

Exemption of Credits For Students Admitted on the Basis of B.Sc. Engineering Technology or Equivalent Degree

Subjects studied in the first two semesters of the engineering program in which the student has been admitted shall stand transferred. The credits transferred will be counted towards the degree requirements of the student. However, the GPA of transferred credits shall not be counted towards the calculation of CGPA, and only “Transferred” shall be written against those subject(s) in which the transfer of credits has been allowed. In addition, such students shall be eligible for a merit position and a degree with Honors if they qualify.

Final Transcript Issued by Examination Branch

The Examination Branch will issue a final transcript after the student completes all the degree requirements. The recording of results on the final transcript will be according to the following:

- The transcript will be chronological, showing all subjects registered in each semester and the corresponding grades earned.
- All “I” grades would be replaced by the grade earned or an “F” grade if requirements have not been completed.
- An “IP” grade in a subject or sequel of subjects would be shown in the semester(s) in which it has been awarded. It will not be counted towards the computation of GPA or CGPA in these semesters.
- The semester grade awarded in a subject, which is a follow-up of a subject or subjects in which “IP” has been awarded in previous semesters, would be counted towards the computation of semester GPA and CGPA by considering the total credit hours assigned to the subject or a sequel of subjects.
- Elective subjects in which the student has earned “F” grades may not be counted towards the computation of CGPA if alternate elective subjects have been studied in their place. This will not be automatic. The student must apply to the Controller of Examinations to avail this facility.

Results Declaration by Examination Branch

The student would be able to see their subject grades on the Examination portal as soon as those have been submitted by the teachers to the Controller of Examinations. The status of these results would be “Provisional.” When all results have been received by the Branch, official results would be declared within one week following the due process of scrutiny and verification. The status of these results would change to “Confirmed” after declaration.

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- The semester grade awarded in a subject, which is a follow-up of a subject or subjects in which “IP” has been awarded in previous semesters, would be counted towards the computation of semester GPA and CGPA by considering the total credit hours assigned to the subject or a sequel of subjects.
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VISITING STUDENTS POLICY

- Visiting students are classified as students currently admitted into a B.Sc. (4 years), M.Sc./M.Phil. (18 years), or Ph.D. program of any University within or outside Pakistan and enrolled for one semester only to study selected subjects at MNS-UET Lahore. Registration in a maximum of five courses by any individual student at the undergraduate level and two courses at the postgraduate level is permissible.
- The candidates desiring to study one or more subjects in any department of MNS-UET shall apply directly to the Chairperson concerned at least 15 days before the commencement of a Semester. The Chairperson, after discussion with the concerned teacher, may approve or reject the request. In case the request is accepted by the Chairperson, it will be forwarded to the respective Dean. The Dean, after due deliberation, may accept or reject the request. In case of acceptance by the Dean, the request will be forwarded to the Convener Admission Committee for further action.
- CAC shall issue a registration number to the student after submission of: (a) total dues, (b) matriculation or equivalent certificate, and (c) a No Objection Certificate from the parent university of the applicant. A folder shall be maintained in the Students Section, and a notification shall be issued with copies to the Controller, Treasurer, concerned Dean, and Chairperson of the department, and to the Security Office.
- The registration number shall be of the following nomenclature: YYYY-PP-DD-V-XX where
 - YYYY: Year of application like 2021, 2022, etc.
 - PP: Program like B.Sc., M.S., M.Phil., or Ph.D.
 - DD: Department like EE, Civil, ME, etc.
 - V: Shall be written as such indicating Visiting Status
 - XX: Two-digit Integer number starting from 10.
- The visiting student shall be issued a temporary University ID card, but he shall not be eligible for any benefits admissible to regular students of the University like hostels, library, sports facility, etc. He shall have to pay all the dues in advance and shall not be eligible for financial assistance or installment facilities. Any dues once paid shall be non-refundable.
- The student shall be governed by all rules regarding academics and discipline.
- Studentship of a visiting student shall end on completion of the Semester in which he is registered in a course. Second-time registration as a visiting student is not permissible.
- The Examination Branch shall include his name in the student record of the concerned department facilitating his registration and issuance of DMC or Transcript on completion of the said subject. Examination records shall be maintained for any future reference.

- Fee structure is given below:
 1. Registration Fee: Rs 5,000/-
 2. Fee per course including any laboratory, if applicable: Rs 20,000/- (UG)/Rs 25,000/- (PG)

MIGRATION REGULATIONS

- Subject to the provision of Regulations, the Vice-Chancellor may admit a current student to the University by migration from other HEC approved Universities or Institutions accredited by PEC/PCATP/IPP in the relevant discipline on open merit under category “A1” or self-support under category “A2” according to the regulations.
- The grounds for migration shall constitute changes in circumstances, which render it practically impossible for the student to continue his studies in his Parent University or Institution.
- No migration shall be allowed into MNS-UET, its campuses/colleges, and into its affiliated institutions from within its constituent campuses/colleges and affiliated campuses/colleges.
- Admission by migration shall not be allowed ordinarily after the expiry of three weeks from the commencement of the session.
- Only those students who possess an academic record comparable with admission requirements of this University (for their particular Entry Session) shall be considered for admission by migration, subject to the availability of seats in the concerned department.
- No student shall be admitted to First Year and Final Year classes by migration. In terms of semesters, migration is only permissible into the 3rd, 4th, or 5th semester.
- A migrated student is required to complete at least 50% of the curriculum required for the award of the degree at MNS-UET in order to be eligible for MNS-UET’s degree.
- No student shall be admitted by migration from a University or Institution in Pakistan unless he produces a "No Objection Certificate" and a Good Moral Character Certificate to the effect that the student has not been debarred from taking University examinations and has not been suspended, expelled, or rusticated from the University or Institution from which he intends to migrate, and that no disciplinary action is pending against him.

- The applicant must have appeared in the Combined Entry Test conducted by MNS-UET Multan in the same session in which he was admitted to the parent university. In case he has not appeared in the MNS-UET entry test, then he must have appeared in the entry test of MNS-UET, or the one conducted by HEC Islamabad in the same session in which he was admitted to the parent university. In case the candidate from the University/Institution is abroad, he must have appeared in the SAT of the same year in which he obtained admission to the parent university. The applicant will provide certified copies of the transcript and approved course outline from his parent university. The SAT result card must be sent to MNS-UET Multan directly from the Educational Testing Service (ETS).
- The applicant must have passed Intermediate (Pre-Engineering) or its equivalent with at least 60% marks and a 50% weighted aggregate based on a 70% weight to Intermediate marks and a 30% weight to Entry Test marks.
- An application for admission by migration shall be accompanied by a detailed marks certificate showing the examinations passed by the applicant at his parent university. The applicant is required to be in good standing with a minimum CGPA of 2.5 out of 4.0.
- No student admitted to any University or Institution against seats reserved for special categories shall be eligible for admission by migration.
- No applicant shall be admitted by migration who possesses less than 1% of the admission merit of this university as well as the sub-campuses of that year in which he was admitted to his parent institution.
- No student shall be migrated to the University who carries any of his papers from his previous years/semesters or has subjects with “I,” “W,” “F,” and “WF” grades.
- No applicant shall be admitted by migration whose parent institution is within the same city. However, he may be considered for admission by migration to sub-campuses of this university.
- Migration applications will only be entertained on the prescribed application form, obtainable from MNS-UET websites <http://www.mnsuet.edu.pk> or <https://admission.mnsuet.edu.pk> from the downloads section. A migration form fee of Rs. 1,000/- will be paid at the time of submission of the application form.
- Transfer of credits for migrated students (see 4.0 in Examination Regulations).
- Migration fees shall be charged at the time of admission from the candidates allowed to migrate to the University from other Universities/Institutions under the rules at the following rates:
 - Rs. 500,000/- (Rupees five hundred thousand only) in the case of candidates from Universities/Institutions abroad.
 - Rs. 400,000/- (Rupees four hundred thousand only) from applicants admitted elsewhere in Pakistan in private universities or on a Self-support/Self-finance basis in public universities.

- Rs: 50,000/- (Rupees fifty thousand only) per semester to be studied at the University of Engineering and Technology, Lahore, and its campuses from the applicants not covered in the first two cases above. The applicant shall pay the prescribed semester dues of the category in which they got admission, in addition to the migration fee.

CODE OF ETHICS

In the name of Allah, the Beneficent, the Merciful Whereas Allah enjoineth upon His men faithfully to observe their trusts and their covenants;

- that professional expertise is a sacred trust entrusted to those whom Allah in His magnificent bounty has endowed with this skill and knowledge;
- that every member of the profession shall appreciate and shall have knowledge as to what constitutes this trust and covenant and that a set of dynamic principles derived from the Holy Quran shall guide this conduct in applying his knowledge for the benefit of society,

It shall be incumbent upon the members of the professional community to subscribe to individually and collectively and to uphold the honour and dignity of their profession:

1. “Allah commands you to render back your trusts to those to whom they are due, and that when you judge between people you judge with justice. Allah admonishes you with what is excellent.” (4:58)
 - You shall be honest, faithful, and just, and shall not act in any manner derogatory to the honour, integrity, or dignity of your profession.
2. “And let not hatred of a people incite you not to act equitably. Be just; that is nearer to observance of duty.” (5:8)
 - You shall not injure, maliciously, directly or indirectly, the reputation or employment of another Engineer, nor shall you fail to act equitably while performing your professional duty.
3. “Give full measure and weight justly and defraud not men of their things and act not corruptly in the land making mischief.” (11:85)
 - You shall use your knowledge and skill of engineering for human welfare and render professional service and advice which reflects your best professional judgment.
4. “And swallow not up your property among your slaves by false means, nor seek to gain access thereby to the judges, so that you may swallow up a part of the property of men wrongfully while you know.” (2:188)
 - You shall not abuse your position or power, nor accept illegal gratifications of any sort.
5. “Fulfil the obligations.” (5:1)
 - You shall faithfully observe and fulfil all your obligations.

6. “And speak straight words.” (33:70)
 - You shall express your opinion on professional or other matters in a frank, open, and straightforward manner.
7. “Avoid most of suspicion for surely suspicion in some cases is sin; and spy not nor let some of you backbite others.” (49:12)
You shall not criticize another professional's work without his knowledge, nor malign or injure his professional reputation.
8. “Ye who believe. Let not some men among you laugh at others. It may be that the latter are better than the former; nor let some women laugh at others: It may be that the latter are better than the former.” (49:11)
You shall not ridicule a fellow professional, nor let one professional discipline deride other disciplines or professions.
9. “Nor defame nor be sarcastic to each other. Nor call each other by offensive nicknames.” (49:11)
You shall not directly or indirectly discredit other professionals, nor assign derogatory epithets to their persons or work.
10. “And follow not that of which thou hast no knowledge. Surely the hearing and the sight and the heart, of all these it will be asked.” (17:36)
 - Your professional advice shall be based on full knowledge of the facts and honest conviction, and you shall not write articles or advertise
11. “O ye who believe: If a wicked person comes to you with any news, ascertain the truth lest you harm people unwittingly.” (49:6)
You shall ascertain facts before accepting them and shall not encourage or cause others to carry tales. Credulity is no credit.
12. “And help one another in righteousness and piety and help not one another in sin and aggression and keep your duty to Allah.” (5:2)
You shall help one another in upholding and doing what is right and shall not associate with those who transgress and those who indulge in
13. “And forget not kindness among yourselves.” (2:237)
You shall be kind and considerate to others and shall not fail to be cooperative and accommodating.

14. “And whose affairs are decided by counsel among themselves.”(62:38)

- ·You shall decide matters of common professional interest by mutual consultation.

15. “And hold fast by the covenant of Allah all together and be not disunited.” (3:102)

16. “And obey Allah ad His apostle; And fall into no disputes Lest ye lose heart and reputation.” (8:40)

- ·You shall strive individually and collectively to enhance the prestige of your profession by ordering your conduct in accordance with this Code of Ethics and shall not be disunited.

CODE OF HONOUR

- 1.He must be loyal, faithful in his religious duties and respect the conviction of others in matters of religion.
- 2.He must be loyal to his country and refrain from doing anything which might lower its honour and prestige.
- 3.He must be truthful and honest in dealings with all people.
- 4.He must respect the elders and be polite to all, especially women, children, old people, the weak and helpless.
- 5.He must respect his teachers and others in authority in the University.
- 6.He must keep clean in all respects i.e. body, mind, speech, sport and habits.
- 7.He must help his fellow beings especially those in distress.
- 8.He must devote himself faithfully to his studies.
- 9.He must observe thrift and protect property.

Prohibition of Smoking and Protection of Non-Smokers Health Ordinance 2002

The University requires adherence to the Prohibition of Smoking and Protection of Non-smokers Health Ordinance 2002. As such, smoking is stricktly prohibited at all open and closed places within university premises and in university's transport.

Acts of Indiscipline Punishable Under University Rules

1.No Student shall:

- i.Smoke in the class room, laboratory, workshop, library, examination hall, convocation hall and during studio work or academic functions.
- ii.Consume alcoholic liquor or other intoxicating drugs within the University Campus or a hall of residence or during the instructional, sports or
- iii.cultural tours, or survey camps, or enter any such place or attend any such tour or camp, while under the influence of such intoxicants.
- iv.Organize or take part in any function within the University campus or a hall of residence, organize any club or society of students except in accordance with the prescribed rules and regulations.

- Collect any money or receive donations or pecuniary assistance for or on behalf of the University or any University organization except with the written permission of the Vice Chancellor.
- Stage, incite, or participate in any walkout, strike, or other form of agitation against the University or its teachers and officers.

A Student Who:

- Commits a breach of any of the rules of conduct specified in these regulations, or
- Disobeys the lawful order of a teacher or other person in authority in the University, or
- Habitually neglects his work or habitually absents himself from his classes without reasonable cause, or
- Willfully damages University property or the property of a fellow student or any teacher or employee of the University; or
- Does not pay the fees, fines, or other dues levied under the University ordinances, rules, and regulations, or
- Does not comply with the rules relating to residence in the hostels or halls of residence or the rules relating to the wearing of uniform or academic dress, or
- Uses indecent language, wears immodest dress, makes indecent remarks or gestures, or behaves in a disorderly manner, or
- Commits any criminal, immoral, or dishonorable act whether within the University campus or otherwise which is prejudicial to the interest of the University.

Shall be guilty of an act of indiscipline and shall be liable for each such act to one or more of the penalties under the General Discipline Rules.

AUTHORITIES TO CHECK INDISCIPLINE

1. Every Member of the Teaching Staff shall:

Have the powers and it shall be his duty to check disorderly or improper conduct or any breach of the rules by students occurring in any part of the precincts of the University. Should such misconduct occur in a room when the student is under the charge of a demonstrator, the latter shall report the matter without delay to the Chairman of the Department.

2. The Librarian shall:

Be responsible for maintenance of order in the Library. In case of disorderly conduct or any breach of rules, he may require the student so offending to withdraw from the library for the remainder of the day and shall immediately report the offence to the Chairman of the Library Committee.

- The Senior Warden/Warden and the Resident Tutor shall:
- Be responsible for maintenance of order among the students in halls of residence or hostels.

3. The Director of Physical Education shall:

- Be responsible for the maintenance of order among the students on or near the play grounds or while otherwise under his charge.
-

4. Committee of Discipline:

- There is a Committee of Discipline to deal with serious cases of indiscipline. It consists of the following members as per University of Engineering and Technology, Punjab Act V of 1974:
- Chairman to be nominated by the Vice-Chancellor
- Two Professors to be nominated by the Academic Council
- One member to be nominated by the Syndicate
- Director Students Affairs (Member/Secretary)
- Senior Tutor of the University; and
- Senior Warden of the University Hostels
 - i) The term of office of members of the Committee excluding ex-officio members shall be two years
 - ii) The quorum for a meeting of the Committee of Discipline shall be four members.

The functions of this Committee are:

- To propose Regulations to the Academic Council for the conduct of University Students, Maintenance of Discipline and breach of discipline; and
- To perform such other functions as may be prescribed by Regulations

PENALTIES FOR ACTS OF INDISCIPLINE

- The penalty or penalties imposed shall be appropriate and proportioned to the nature and gravity of the Act. The penalties which may be imposed and the authority or authorities competent to impose each kind of penalty are specified below:

	PENALTY	AUTHORITY COMPETENT TO IMPOSE THE PENALTY
a)	Exclusion for class room , Laboratory, Workshop or field work for the periods concerned, for not more than four such consecutive periods	Teacher Incharge
b)	Exclusion from the game or the Field for not more than two weeks	Incharge of the Game
c)	Exclusion from Instructional or Sports Tour or Survey	Incharge or Head of Department / Chairman
d)	Exclusion from the Department for a period not exceeding two weeks	Head of Department / Chairman
e)	Exclusion from the Library for not more than two weeks	Chairman, Library Committee
f)	Exclusion from all or any Class in any Faculty for a period not exceeding two weeks	Dean of the Faculty
g)	Exclusion from the Hall of residence for a period not exceeding six months	Resident Tutor
h)	Exclusion form the Hall of residence for a period not exceeding one year	Senior Warden / Warden / Director Students Affairs
i)	Suspension or removal from a position of authority in a Hall of Residence	Resident Tutor / Warden / Senior Warden
j)	Suspension or removal from a position of authority in the Students Union	Director, Students Affairs

k)	Suspension or removal from a position of authority in the University Sports	President Sports committee
l)	Cancellation or Remission of fee or University Scholarship	Dean of the Faculty
m)	Fine up to Rs. 1,000/-	Lecturer / Resident Tutor
n)	Fine up to Rs. 2,000/-	Assistant Professor / Warden
o)	Fine up to Rs. 3,000/-	Associate Professor
p)	Fine up to Rs. 5,000/-	Chairman of Teaching Department/ Professor / Senior Warden
q)	Fine without limit	/ Director Students Affairs.
r)	Rustication from the University for a period not exceeding six months	Dean of the Faculty
s)	Rustication from the University for a period not exceeding one year	Associate Professor
t)	Rustication for any period	Chairman of a Teaching Department / Professor / Committee
u)	Expulsion from the University	Committee of Discipline

GENERAL DISCIPLINE RULES RELATING TO STUDENTS

- When a case against a student is referred to the Committee of Discipline, the Committee may, if it deems fit, suspend the student from University Rolls and/or direct him to vacate the Hall of Residence until it has taken a decision in the case.
- The Vice Chancellor shall have the power to impose any of the penalties mentioned in "Penalties for Acts of Indiscipline" or to refer any case to the Committee of Discipline.
- A Teacher or officer mentioned in "Penalties for Acts of Indiscipline" in whose presence or in relation to whom an act of indiscipline is committed or who obtains knowledge of such act on a report or otherwise, may deal with the case himself or if in his view:
- The case is one which can be more appropriately dealt with by another authority; or
- A penalty or penalties severer than those which he is competent to impose are called for in the case; he shall follow the procedure specified below:
 - i. If he is not the Dean of the faculty he shall refer the case to the Dean who may deal with it himself or refer it to the appropriate authority.
 - ii. If he is the Dean of the Faculty, he shall refer it to the appropriate authority or the Committee of Discipline.
- No Student shall be rusticated or expelled from the University unless he has been allowed a reasonable chance of replying to the accusation against him.
- When in the opinion of the Committee of Discipline, the penalty of rustication or expulsion is not called for in a case referred to it, it may impose any other penalties mentioned in "Penalties for Acts of Indiscipline".
- When a Teacher or an Officer has imposed penalty/penalties on a student under "Penalties for Acts of Indiscipline," the latter shall not be liable to a higher or an additional penalty unless the offending student has been given a reasonable opportunity of showing cause against the proposed action.
- An appeal against the imposition of a penalty may be made within a week's time to the teacher who imposed the penalty. In case the student is not satisfied with his decision/revision, he may appeal to the Chairman, Discipline Committee, who shall place it before the Discipline Committee for its consideration and decision within a maximum of six weeks to dispose of the case. A final appeal against the imposition of a penalty may then be made to the Committee as provided in Rule 11(i) of the General Discipline Rules relating to students.
- An appeal against a decision imposing a penalty mentioned in clauses (r) and (s) of "Penalties for Acts of Indiscipline" shall lie with a Committee consisting of the Vice Chancellor and the Deans of Faculties. No appeal shall lie against a decision of an authority imposing a penalty other than that mentioned in sub-rule (i) of this rule except on the ground that such authority has imposed a penalty which it was not competent to impose.

- An appeal on the ground that an authority has imposed a penalty which it was not competent to impose shall lie to the Vice Chancellor. No appeal by a student shall be entertained unless it is presented within fifteen days from the date on which the decision is communicated to him, provided that the Vice Chancellor may for valid reasons extend this period.
- The Vice Chancellor or any teacher or officer to whom the Vice Chancellor may delegate his powers may direct a student to pay compensation for any loss of or damage to property belonging to the University, a fellow student, or to an employee of the University, caused by a willful act or gross negligence of the student. If the student does not pay such compensation within a reasonable time, the Vice Chancellor may expel him from the University.
- The Syndicate may for special reasons re-admit a student rusticated or expelled from the University under these rules, if otherwise eligible.

Under Graduate FEE REGULATIONS

- Periods of Fees and Other Charges
 - a) The fees and other charges are categorized as:
- One-time payments at the time of admission
- Semester recurring fees
- Summer semester dues for students registering during the summer semester
- During each year of a student's stay at the University, all recurring fees are charged in two installments payable at the beginning of Fall and Spring semesters except for the first semester wherein students can pay the charges in two installments.
- A registration fee at the rate of: (i) Rs 2,634/- per credit hour for the subsidized category, and (ii) Rs 9,835/- per credit hour for the partially subsidized category will be charged for subjects registered during the summer semester.
- A total of 8 semesters or 10 semesters of recurring fees are admissible from students graduating from a four-year degree program or a five-year degree program, respectively.
- Students registering in subjects after completing 8 semesters or 10 semesters, respectively, from a four-year degree program or a five-year degree program will not be required to pay the admissible semester dues but will, however, pay Rs 2,634/- per credit hour for the subjects registered.
- Re-admitted students are required to pay the admissible dues of the session they are placed with for two extra semesters even if they complete their degree requirements with their original entry session or a semester later. They will pay Rs 2,634/- per credit hour for the subjects registered beyond the two extra semesters for which admissible dues have been paid by them.
- An admission retention fee of Rs 15,000/- per semester will be charged from students who have deferred their studies or who have not registered in any subject in a semester. This fee will be over and above the total fee period admissible from such students.
- The hostel charges are payable for the period of allotment, a part of the semester being counted as a full semester. Rent and electricity charges for fans are payable on a per semester basis. Electricity charges for room heaters are payable only during the winter season for four months.

Revision of Tuition Fees Rates

- The fee and other charges schedule (for four years) published in the prospectus will be applicable to the entry session of that year only.
- To account for inflation, 12% increase in tuition fee and other charges may be incorporated each year.

Payment of Dues

- Fee challan form would be available online in the student's login on the Learning Management System (LMS) before the commencement of the semester.
- The challan form shall show the amount payable by the due date and the amount payable after the due date.
- Students are encouraged to pay their dues through electronic means as facilitated by HBL.
- Students will not be permitted to register for a semester if they do not deposit the semester dues in advance. Failing to pay the dues until the end of the 21-day add/drop period, after the commencement of the semester, will result in missing the semester altogether.
- Admission of students defaulting in payment of their dues until the end of the add/drop period may be cancelled. Such students will have to get readmission after permission from the VC and upon payment of all outstanding dues and the readmission fee.
- Students whose names do not appear in the LMS attendance roll will not be allowed to sit in the classes by the departments.
- Cases of students who are externally sponsored will be dealt with separately.

Refund on Admission Cancellation**Admission Cancellation by Freshly Admitted Students**

All dues paid by the student are refundable, excluding the Admission Fee, as per the following schedule:

- Full (100%) fee refund if admission is cancelled up to the 7th day.
- Half (50%) fee refund if admission is cancelled from the 8th to the 15th day.
- No fee refund if admission is cancelled from the 16th day onward.

The count of days mentioned in the schedule for determining the refund amount would start from the date falling last from the date of convening of classes.

Admission Cancellation by Freshly Admitted Ineligible Students

- Ineligible students are defined as those newly admitted candidates who met the admission criteria at the time of admission (based on first-year intermediate or equivalent exam results) but later fail to meet the minimum required marks after the declaration of their second year (first annual) results.
- Only the results of intermediate or equivalent examinations conducted up to and including the first annual examination of the admission year will be considered for eligibility. Any examination results declared after the first annual, or results of exams taken in subsequent attempts, will not be accepted for determining eligibility.
- If a student is declared ineligible based on these final results, they are entitled to a fee refund only if they inform the Admission Office/Student Section at MNS-UET Multan within one month of the result declaration.
- No fee refund will be granted if the student fails to notify the administration within the specified time. After this period, all deposited dues and fees, including tuition fees, will be non-refundable.

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Admission Cancellation Policy for Non-Payment of Second Installment

“After securing provisional admission by paying the 1st installment, it is necessary to submit the 2nd installment before the commencement of classes. Failing to do so may lead to cancellation of provisional admission, and the seat may be awarded to the next candidate in merit. However, an option to restore will still be available, not necessarily in the same discipline, since this would depend on the availability of a seat and merit after CAC's approval.”

Admission Cancellation by Other Students

- The university security, library security, hostel security, and mess securities are refunded when a student cancels their admission before the completion of their degree.
- The one-time deposit of US\$10,000 made by foreign and dual national students admitted under the SF category shall be refunded after the deduction of months availed at the university. The one-time deposit will be divided by 48 to determine the monthly refund rate. For counting availed months, a portion of a month shall be counted as one full month.

All other dues and fees deposited shall not be refunded, including the migration fee charged from migrated students.

FINANCIAL ASSISTANCE AND SCHOLARSHIP POLICY**1. Categories which are not eligible for Financial Assistance**

“A2”, “S”, and “SI” categories are not eligible to apply for financial assistance from the University.

2. Financial Assistance in the form of Work and Study Model

The following categories are eligible to apply to the Office of FA&CS for financial assistance from the University in the form of up to a 50% tuition waiver through a Work and Study arrangement:

· “A1”, “N”, “L”, “Q”, “P”, “R”, “B”, “D”, “E”, “J1”, “J2”, and “O”.

The decision of the award will be made by the Director FA&CS based on the credentials provided by the applicant. Awardees will be required to serve the University for 10 hours per week during the semesters for which the award has been given. This service may be in the form of office work, horticultural work, cleanliness work, environmental work, etc. The awardees will be attached to the offices of the Resident Officer, Project Director, Security Officer, Director Sports, Senior Warden, or another office as deemed appropriate by the Director FA&CS.

3. Scholarships for PTAP and Cultural Exchange Scholars

International and Cultural Exchange students admitted under the “H1” and “H4” categories without financial support will be charged the tuition fee of “A1” category students. The Vice-Chancellor is authorized to give a scholarship in the form of a waiver of tuition fee of up to 75% to selected Pakistan Technical Assistance Program (PTAP) and Cultural Exchange scholars on the recommendation of FA&CS or the In-charge of the Students’ Section.

4. Scholarships for Disabled Students and Baluchistan Domiciled Students

All charges categorized as fees chargeable by the University are waived for Baluchistan domiciled students and disabled students admitted under the “T” category or “A1” category if they apply for the same to the office of FA&CS or the In-charge of the Students’ Section.

5. Orphan Students Admitted Under “A1” Category and FATA Domiciled Students

- Needy orphan students admitted under the “A1” category may apply to the Director FA&CS for a full tuition waiver. The decision to award a tuition waiver or otherwise will be based on an assessment of whether the student is needy or not.
- FATA domiciled students will be awarded a full tuition waiver at the time of admission if they claim to be needy with the required proof as acceptable to the Office of FA&CS.

6. Merit Scholarships Policy

- Merit scholarships are awarded in the form of a full tuition waiver to students earning top positions for one semester following the semester in which the position has been earned as per the approved criteria. “A2,” “S,” and “SI” categories are also eligible for the award of a merit scholarship if they qualify.
- Students who have been awarded a need-based tuition waiver by MNS-UET are eligible for merit scholarships. However, the need-based tuition waiver will be discontinued for the semester in which the merit scholarship is admissible.
- Students who have been awarded scholarships by external donors/agencies are not eligible for the University merit scholarship.

7. Award of Multiple Financial Assistance/Scholarships

- Students are only eligible for the award of one scholarship at a time.
- Orphan students admitted under the “A1” category and students from Baluchistan and FATA are granted a full tuition waiver by the University. However, they are permitted to avail themselves of another need-based scholarship awarded by an external agency. If the external scholarship includes the tuition fee as its component, then the full tuition fee will be recovered from the scholarship amount awarded to these students. However, if such an amount is not included, then the tuition waiver will be maintained.
- Cases regarding the tuition fee of orphan students availing HEC scholarships will be decided by the HEC Focal Person Office/HEC Need-Based Scholarship Committee.
- Board of Intermediate and Secondary Education merit scholarships will be given to the awardees even if they are in receipt of a scholarship from the University.

FEE Structure for Engineering Technology, Humanities, Basic Sciences & BBA Programs

Fee Structure	
Existing vs Revised Fee Structure	
Engineering Technology, Humanities, Basic Sciences & BBA Programs	
Existing Fee Structure	Revised Fee Structure
First Semester	
Particular	Amount (Rs.)
Admission Fee	1,000
University Registration	1,000
University Security	1,000
Library Security	1,000
Degree Verification	2,500
Email Registration Fee	100
Tuition Fee	25,000
Sports Fee	1,200
Lab Fee	1,800
Examination Charges	2,500
General Service Charges	3,300

Total	40,400
2nd to 8th Semester	
Particular	Amount (Rs.)
Tuition Fee	25,000
Sports Fee	1,200
Lab Fee	1,800
Examination Charges	2,500
General Service Charges	4,800
Total	35,300

Total	29,400
2nd Semester	
Tuition Fee	21,000
Sports Fee	1,200
Lab Fee	1,800
Examination Charges	2,500
General Service Charges	4,800
Total	31,300
3rd Semester	
Tuition Fee	30,000
Sports Fee	1,200
Lab Fee	1,800
Examination Charges	2,500
General Service Charges	4,800
Total	40,300
4th Semester	
Tuition Fee	35,000
Sports Fee	1,200
Lab Fee	1,800
Examination Charges	2,500
General Service Charges	4,800
Total	45,300
5th to 8th Semester	
Tuition Fee	25,000
Sports Fee	1,200
Lab Fee	1,800
Examination Charges	2,500
General Service Charges	4,800
Total	35,300

FEE Structure for Engineering, Computer Science & IT programs

Engineering, Computer Sciences & IT Programs			
Existing Fee Structure		Revised Fee Structure	
First Semester		First Semester	
Particular	Amount (Rs.)	Particular	Amount (Rs.)
Admission Fee	3,000	Admission Fee	3,000
University Registration	2,000	University Registration	2,000
University Security	2,000	University Security	2,000
Library Security	2,000	Library Security	2,000
Degree Verification	2,500	Degree Verification	2,500
Email Registration Fee	100	Email Registration Fee	100
Tuition Fee	30,000	Tuition Fee	15,000
Sports Fee	1,200	Sports Fee	1,200
Lab Fee	1,800	Lab Fee	1,800
Examination Charges	2,500	Examination Charges	2,500
General Service Charges	4,800	General Service Charges	4,800
Total	51,900	Total	36,900
2nd to 8th Semester		2nd Semester	
Particular	Amount (Rs.)	Tuition Fee	25,000
Tuition Fee	30,000	Sports Fee	1,200
Sports Fee	1,200	Lab Fee	1,800
Lab Fee	1,800	Examination Charges	2,500
Examination Charges	2,500	General Service Charges	4,800
General Service Charges	4,800	Total	35,300
Total	40,300	3rd Semester	
		Tuition Fee	35,000
		Sports Fee	1,200
		Lab Fee	1,800
		Examination Charges	2,500
		General Service Charges	4,800
		Total	45,300

4th Semester	
Tuition Fee	45,000
Sports Fee	1,200
Lab Fee	1,800
Examination Charges	2,500
General Service Charges	4,800
Total	55,300
5th to 8th Semester	
Tuition Fee	30,000
Sports Fee	1,200
Lab Fee	1,800
Examination Charges	2,500
General Service Charges	4,800
Total	40,300

Ph.D. Chemical Engineering & M.Sc. Chemical & Electrical Engineering

Schedule for payment First Semester

Sr. No.	Particulars	Amount
1.	Tuition Fee	Rs.45000/-
2.	Admission Fee	Rs.5000/-
3.	University Registration	Rs.5000/-
4.	University Security	Rs.1000/-
5.	Library Security	Rs.2000/-
6.	Degree verification	Rs.2500/-
7.	Email Registration fee	Rs.100/-
8.	University Tournament Fee	Rs.25/-
9.	Magazine Fee	Rs.25/-
10.	Medical Fee	Rs.150/-
11.	Internet Charges	Rs.900/-
12.	Sports Fee	Rs.300/-
13.	Examination Fee/semester	Rs.3000/-
	Total	Rs.65000/-

Second to Fourth Semesters (Per semester)

Sr. No.	Particulars	Amount
1	Tuition Fee	Rs.45,000/-
2	Sports Fee	Rs.300/-
3	University Tournament Fee	Rs.25
4	Magazine Fee	Rs.38
5	Medical Fee	Rs.150/-
6	Internet Charges	Rs.900/-
7	Examination Fee/semester	Rs.3000/-
	Total	Rs.49,413/-

Note: Research fee @Rs. 5000/- per semester will be charged in 4th and above semesters.

SEAT ALLOCATION CHART-2026-FALL

MUHAMMAD NAWAZ SHARIF UNIVERSITY OF ENGINEERING AND TECHNOLOGY, MULTAN			
S. No.	Department Name	University Degree Program	Number of Available Seats
1	Chemical Engineering	B.Sc. Chemical Engineering	40
		M.Sc. Chemical Engineering	20
		B.Sc. Chemical Engineering Technology	40
		B.Sc. Food Engineering	40
		PhD Chemical Engineering	10
2	Electrical Engineering	B.Sc. Electrical Engineering	40
		M.Sc. Electrical Engineering	20
		B.Sc. Electrical Engineering Technology	40
		PhD Electrical Engineering	6
3	Mechanical Engineering	B.Sc. Mechanical Engineering	80
4	Civil Engineering	B.Sc. Civil Engineering	80
5	Computer Science	BS-Computer Science	160
		BS-Software Engineering	40
		BS- Information Technology	50
		BS-Artificial Intelligence	80
		BS-Cyber Security	80
6	Management Sciences	BS-Management Sciences	80
7	Mathematics	BS-Mathematics	40
8	Physics	BS-Physics	40
9	Chemistry	BS-Chemistry	40

MNS-UET ALUMNI OFFICE

Objective

The University of Engineering and Technology, Lahore aims to maintain associations with former students who want to stay involved with, or support, their institution. The Alumni Office will help graduates keep in touch with their fellow alumni and keep them informed about what's happening here at the University. The Alumni Office provides a variety of services and opportunities that improve the relationship between UET and its alumni.

Mission

MNS-UET Multan Alumni builds collaborative relationships between alumni and current students while contributing to scientific development and education. MNS-UET Alumni will have a network to pursue their social and professional goals, mentor students, and provide assistance to UET and its students to bring MNS-UET to the international standard.

- MNS-UET Alumni Activities
- To effectively engage MNS-UET Alumni resources in the betterment of the institution, the MNS-UET Alumni Office plans the following.
- The Fundraising for Student Scholarship/Endorsement Fund.
- The Fundraising for MNS-UET Departmental Projects and Renovations.
- Engaging Alumni in Seminars for Students/Faculty Career Counseling.
- Alumni Recognition Ceremony
- Annual Alumni Reunion
- Arrange Internships and Jobs from Alumni

MNS-UET Alumni Benefits

MNS-UET Alumni Office plans to offer the following benefits to its registered alumni to connect the MNS-UET past graduates with their alma mater in an effective manner.

- Library Membership for Alumni.
- Sport and Gym Membership.
- Reserved Seats for Admission.
- Availability of Guest House for Alumni
- Availability of Alumni Lounge
- Alumni Card and Alumni Registration (<https://lms.mnsuet.edu.pk/alumni-registration>)

MNS-UET Multan wants to maintain an association with pass-out students who want to stay involved with or support their institution. Our mission is to establish a forum where all our scientists and engineers can share valuable experiences and ideas. We are keenly interested in building a strong relationship with our alumni, and every day we are taking radical steps towards scientific development.

The Alumni Office provides opportunities to share valuable experiences and ideas of the MNS-UET Multan graduates. Furthermore, the Alumni Office arranges alumni reunions and many activities.

The Alumni Office arranges funds from alumni for MNS-UET Multan needy students, including fundraising for student scholarships and the endowment fund. We help our alumni keep in touch and update them periodically about current happenings at the university. Moreover, our aim is to provide them with excellent benefits in terms of library membership, faculty career counseling, an alumni recognition ceremony, sports and gym membership, reserved seats for admissions, availability of a guest house, and effective web portal membership. We understand our alumni are the pillars of our institution; MNS-UET Multan is highly interested in keeping them connected with their parent organization. We are constructing a strong relationship between alumni and this prestigious institution, providing world-class solutions to bring MNS-UET to international standards.

Web: <https://mnsuet.edu.pk/alumni/>

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DISCLAIMER

The contents of this prospectus are for information and shall not be TAKEN AS BINDING on the University. Each aspect of the education set up, like the admission procedure or criteria, the academic rules and regulations, discipline regulations, admissible fees, etc. requires continuous review by the competent authorities. The University, therefore, reserves the right to change rules, regulations, fees applicable to students whenever it is deemed appropriate or necessary. Inquiries concerning admission should be addressed to:

MUHAMMAD NAWAZ SHARIF UNIVERSITY OF ENGINEERING AND TECHNOLOGY, MULTAN

E-mail: admission@mns.uet.edu.pk



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