S.I.M.T

Read in the Name of Allah

SIMT

Sindh Institute of Managment & Technology

Chartered by Govt. Of Sindh & Recognize by HEC

SIMT HEAD OFFICE KARACHI, PAKISTAN

بسم الله الرحمن الرحيم

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Rector`s Massage

Muhammad Asif Farooqui
Rector

Dear Students,

It gives me immense pleasure to welcome you all to the prestigious institution, the SIMT family.

At SIMT, we believe in nurturing talent, fostering innovation, and facilitating a holistic learning environment that empowers you to excel in your chosen field. As the Vice Chancellor, I assure you of our unwavering commitment to providing top-notch education, state-of-the-art facilities, and a platform that encourages intellectual curiosity and personal growth.

Our faculty comprises experienced mentors and experts dedicated to shaping the leaders of tomorrow. Remember, your time here is not just about academics; it's about embracing diversity, honing your skills, and exploring opportunities that broaden your horizons. Engage actively in our various clubs, societies, and initiatives designed to enrich your overall university experience.

I encourage you to dream big, set ambitious goals, and utilize the resources at your disposal to realize your aspirations. Embrace challenges as stepping stones toward success and never hesitate to seek guidance and support from our faculty and staff.

Together, let's create a vibrant community driven by passion, innovation, and excellence. Your journey at SIMT is the foundation for a promising future, and I am excited to witness your growth and achievements. Wishing you all a fulfilling and enriching academic year ahead.

Warm regards,

Muhammad Asif Farooqui

Vice Chancellor / Rector

Sindh Institute of Management & Technology
Chartered by Govt. of Sindh & Recognized by HEC

Vision

"Addressing the top leadership positions in the field of education through vibrant mode of educational techniques delivered by SIMT that can capture the emerging needs of industries, civil society and educational environment".

Sindh Institute of Management & Technology
Chartered by Govt. of Sindh & Recognized by HEC

Mission

"SIMT is committed to impart quality education providing outstanding academic programs with focus on research, excellent teaching and learning environment to compete with the best institutes of the world and contributing to the socio-economic uplift of Pakistan".

University Management

Administrative and Supportive Staff

S.NO	NAME	DESIGNATION
1	Mrs. Saima Asif	Chairman

2	Mr. Muhammad Asif Farooqui	Rector
3	Mr. Raza Jafri	Director QEC
4	Dr. Salman Memon	Head of Department, Mechanical Engineering Technology
5	Dr. Muhammad Rafique Shaikh	Head of Department, Business Administration
6	Dr. Abdul Hameed	Dean, Business Administration
7	Dr. Mohsin Ansari	Head of Department, Electrical Engineering Technology
8	Dr. Razi Ahmed	Dean, Faculty of Engineering & Information Technology
9	Mr. Salif Hussain	Director Finance
10.	Ms Saba Imam	Controller of Examination
11	Dr. Sana Arz Bhutto	Director ORIC
12	Ms. Sumaira Bashir Ahmed	Registrar

Introduction of SIMT

Sindh Institute of Management & Technology (SIMT), is chartered by Government of Sindh as Degree Awarding Institute under the Act XIV of March 2015 and recognized by the Higher Education Commission, Islamabad. SIMT is located at LS-37/10, SECTOR 15, MAIN KORANGI INDUSTRIAL AREA, KARACHI, PAKISTAN and is being run by a group of qualified business professionals and educationists.

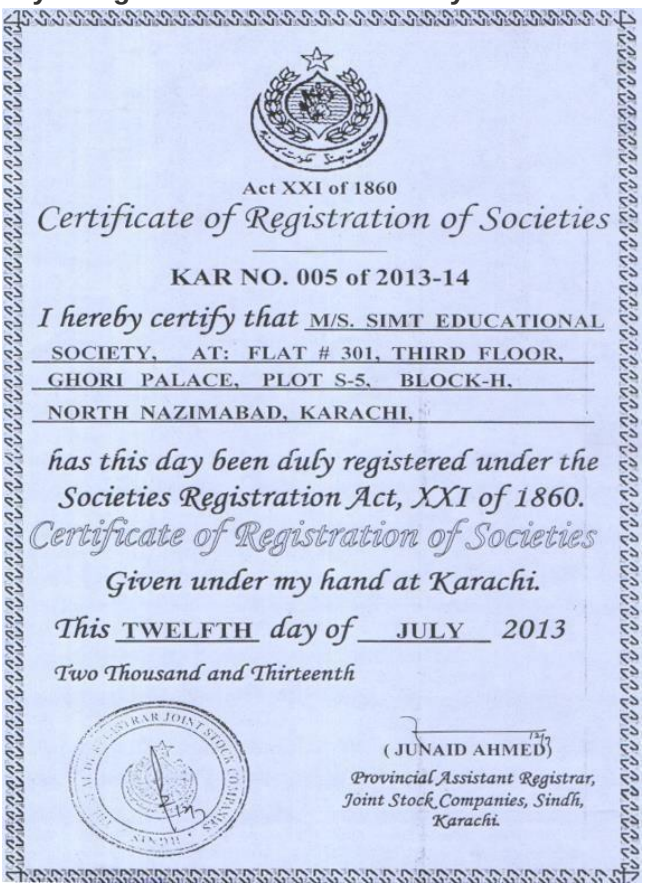
SIMT promotes better education, conducts research and develops top professionals in the fields of Business Administration, Computer Sciences, Information Technology, Education, & Technologies as well as Social Sciences. The Management and the Faculty Members of SIMT are highly qualified, professionals and experienced in their relevant fields.

In order to impart quality education which is at par with international standards, SIMT has developed unified templates as per guidelines of HEC for the development and revision of curricula in the above-mentioned fields.

The steps taken would serve the purpose of meeting not only our national but social and economic needs, and it would also provide the level of competency specified in Pakistan Qualification Framework to make it compatible with international educational standards. **Introduction of SIMT Educational Society (Regd.)**

SIMT Educational Society (Regd.) has been established for the promotion of education and its Chairman **Mr. Muhammad Asif Farooqui** has intensive experience of almost 18 years in the field of education from school level to higher education and he has some other avenues as well. He is a visionary personality having vast experience in business as well as educational institutes. He is a veteran educationist and intelligent businessman of the city.

SIMT Educational Society is registered under the Society Act XXI of 1860



Act XXI of 1860

Certificate of Registration of Societies

KAR NO. 005 of 2013-14

I hereby certify that M/S. SIMT EDUCATIONAL SOCIETY, AT: FLAT # 301, THIRD FLOOR, GHORI PALACE, PLOT S-5, BLOCK-H, NORTH NAZIMABAD, KARACHI,

has this day been duly registered under the Societies Registration Act, XXI of 1860.

Certificate of Registration of Societies

Given under my hand at Karachi.

This TWELFTH day of JULY 2013

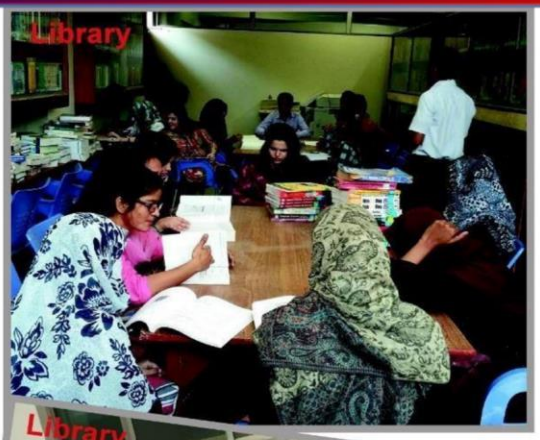
Two Thousand and Thirteenth

(JUNAID AHMED)

Provincial Assistant Registrar, Joint Stock Companies, Sindh, Karachi.

About Us

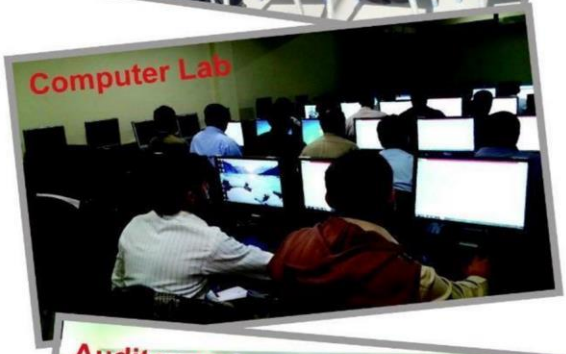
Building
Sindh Institute of Management & Tech
Chartered by Govt. of Sindh


Library

Class Room

Library

Saminar Room


Computer Lab

GYM

Auditorum

Suming pul

Payer Area

Cafeteria
Possible.

BBA (4 Years)
MBA (2Years)
Business Administration

Department of Business Administration

Program Offered

The Department of Business Administration is currently offering the following programs: **Associate Degree in Commerce (2 years)**
BBA (4 years)
MBA (2 years)

ASSOCIATE DEGREE IN COMMERCE

ZERO SEMESTER FOR UNDERGRADUATE PROGRAMS

A 'Zero Semester' for undergraduate programs facilitates the candidate's seeking admission towards Associate Degrees. Such candidates having prescribed qualification/degree but having less than 45% marks or CGPA less than 2.0 out of 4, as applicable, can enroll for 'Zero Semester and upon achieving the prescribed completions requirements can become eligible for subsequent admission towards undergraduate programs.

Duration

It is a one-semester (18 weeks) duration program.

Admission Eligibility Criteria

Candidates who have earned relevant qualification/degree prescribed in admission eligibility criteria with less than 45% marks or CGPA less than 2.0 out of 4, as applicable.

Assessment of Study Progress

The students' study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, quizzes, Graded Discussion Boards (GDBs), midterm and final term exams. The mid-term and final term exams are conducted at SIMT and usually count for 80 to 85% of the total marks for a course.

Completion of Zero Semester

The candidates will be required to pass all prescribed courses in a single semester and achieve a semester GPA of at least 2.00 out of 4 in order to become eligible to apply for admission towards desired study program, wherein applicable.

Important Note

1. The courses and their number may be changed from time to time by the Institute.
2. Students enrolled in the Zero Semester will be bound to obey the rules and regulations of the Institute.
3. Zero Semester for Undergraduate programs, once qualified will remain valid for all subsequent admissions in the relevant program

Courses of Study

1. MTH 001: Elementary Mathematics
2. ENG 002: Elementary English 3. CS 003: Computer Proficiency

MTH 001: Elementary Mathematics	
Lecture No.	**Description**
1	Logic
2	Truth Table
3	Logic Equivalence, Laws of the Algebra of Propositions, Translating Word Statements to Symbolic Notation & Vice Versa
4	BiConditional Statements and their Equivalence
5	Arguments, Valid and In Valid arguments
6	Sets, Venn Diagram and Membership Table
7	Operations on sets,Venn Diagrams for operations on sets
8	Ordered Pairs, Relations and Matrix Representation of a matrix
9	Types of relations and Directed graph
10	Reflexive and antisymmetric relations and partially ordered relations
11	Functions, Domain Codomain and Range
12	Types of function
13	Sequence, Arithmetic and Geometric Sequence
14	Series ,Sum of Arithmetic and Geometric Series

Lecture No.	Description
15	Performing basic arithmetic operations using Microsoft Excel
16	Basic calculations of percentages and investments using Microsoft Excel
17	Discount, Simple and compound interest, Average due date
18	Annuity, Accumulated value, Accumulation Factor, Discount Factor, Discounted value
19	Matrix, its Dimension and Types of matrix
20	Operations on Matrices
21	Merchandising

Statistics	
Lecture No.	**Description**
22	Introduction to Statistics
23	Data Representation

24	The Central Tendency of a data-set
25	Median, Empirical Relation, Quartiles
26	Geometric mean, Harmonic mean & relationship between them
27	Measures of Dispersion
28	Mean Deviation, Standard Deviation and Variance & Coefficient of variation

29	Permutations, Combinations
30	Definitions of Probability

31	Relative Frequency, Axiomatic Definition & Laws of Probability
32	Independent and Dependent Events, Multiplication Theorem & Marginal Probability

CS 003: Computer Proficiency	
Lecture No.	Description
1	Introduction of Training Environment and Computer Basics
2	Input
3	Input Devices
4	Output
5	Storage
6	Hardware
7	Software
8	Software
9	Information Highway and Security

Module 2: Using the Computer and Managing Files	
Lecture No.	Description
10	Computer Environment
11	Computer Environment
12	Desktop
13	Managing Files
14	Managing Files (continued)
15	Managing Files (continued)
16	Managing Files (continued)
17	Managing Files (continued)
18	Print Management

Module 3: Word Processing

Lecture No.	Description
19	Using the Application
20	Main Operations
21	Main Operations
22	Formatting
23	Objects
24	Mail Merge and Prepare Outputs

Module 4: Spreadsheets

Lecture No.	Description
25	Using the Application
26	Working with Cells
27	Working with Cells (continued)
28	Working with Cells (continued)
29	Worksheets (continued)
30	Formulas and Functions
31	Formatting
32	Charts/Graphs

33	Prepare Outputs

Module 5: Presentation	
Lecture No.	Description
34	Getting Started
35	Developing a Presentation
36	Text and Images
37	Charts/Graphs, Drawn Objects
38	Slide Show Effects
39	Prepare Outputs

Module 6: Information and Communication	
Lecture No.	Description
40	The Internet
41	Web Navigation
42	Web Searching
43	Electronic Mail
44	Messaging
45	Mail Management

PROGRAM REVIEW

- An associate's degree is an undergraduate academic degree awarded by community colleges upon completion of a course of study usually lasting two years.
- An associate's degree is equivalent to the first two years of a four-year college or university degree.
- This degree forms the foundation of a bachelor's degree by allowing students to complete all of the general education requirements prior to (Possible) transfer to a four year university.

BENEFITS OF THE PROGRAM

Terminal Degree:

- The students, who do not want to continue with four years University, can utilize their 'Degree' to get the job (placement) in the market.

Transfer Degree:

- The curriculum is designed primarily for students who wish to transfer to a four-year college or university to complete the degree in Bachelor of Business Administration/Bachelor of Commerce.

Sindh Institute of Management and Technology Model for the Program

S.No	Categories	No. of Courses Min-Max	Credit Hours Min-Max	Credit Hours Percentile
1	Compulsory Requirement (no Choice)	8	24	29%
2	Discipline Specific Foundation Courses	4	12	18%
3	Major Courses including Project/Internship	8	24	44%
4	Electives	2	6	9%

Total Number of Credit Hours: 66

Duration: 2 Years

Semester Duration: l6 - 18 weeks

Course Load per Semester: 15-l8 Credit Hours

Avg. No. of Courses per Semester: 5 - 6

ELIGIBILITY CRITERIA FOR ADMISSION

- HSC or equivalent with at least 2nd Division 45% marks, at the time of appearing for test and interview.
- Candidates who have appeared in final exam of HSC or equivalent can also apply for admissions.
- These candidates will be provided provincial admission to associate program, in case if their final year results are found not meeting the minimum requirements, their provisional admission will stand cancelled.

SCHEME OF STUDY FOR ASSOCIATE OF COMPUTERS AND

COMMERCE

Associate Degree in Commerce

S.No	Compulsory Requirement (General Education Core Courses)	Credit hours
1	English-I (English Composition and Comprehension-I	3+0=3
2	English-II (English Composition and Comprehension-II)	3+0=3
3	Urdu	3+0=3
4	Business Communication	3+0=3
5	Business Research Methods	3+0=3
6	Islamic Studies/Ethics & Pakistan Studies	2+1=3
7	English-III (Communication & Presentation Skills)	3+0=3
8	Introduction to Computers	2+1=3
	Total Credit Hours	24

S.No	Discipline Specific Foundation Courses	Credit hours
1	Principles of Accounting	3+0=3
2	Introduction to Business	3+0=3
3	Principles of Management	3+0=3
4	Applied Mathematic & Statistics	3+0=3
	Total Credit Hours	12

S.No	Major Courses	Credit hours
1	Cost & Advance Accounting	3+0=3
2	Financial Accounting	3+0=3
3	Economic Analysis & Policies	3+0=3
4	Money & Banking	3+0=3
5	Introduction to Business Finance	3+0=3
6	Auditing & Income Tax Law	3+0=3
7	Business & Industrial Law	3+0=3
8	Research Project	3+0=3
	Total Credit Hours	24

S. lo	Elective	Credit hours
1	Elective I -	3+0=3
2	Elective -II	3+0=3
	Total Credit Hours	06

S.No	List of Elective	Credit hours
1 2	Psychology	3+0=3

3 4	Leadership	3+0=3
	Islamic Banking	3+0=3
	Human Resource Management	3+0=3
5	Marketing Management	3+0=3
6	Supply Chain Management	3+0=3
	Total Credit Hours	**06**

BACHELOR IN BUSINESS ADMINISTRATION (BBA)

The Department of Business Administration of SIMT offers a complete 4-year (8 semesters) BBA course with special emphasis on marketing, finance and human resource management.

Students are necessitated to successfully complete 44 courses with 138 credit hours including 6 credit hours of research project. These courses are suitably divided into 8 semesters. The first and the last semesters hold 5 courses each while the rest hold 6 courses each. Students should follow the schedule. But in extreme cases the schedule may be relaxed. The maximum time limit of fulfilling the criteria is seven years.

It is mandatory for the BBA students to do minimum 6-week internship in any organization and produce a detailed report of minimum 1900 words. Internship should start after the 4th semester.

Admission eligibility & procedure for BBA

Having the Inter certificate with 50% marks or 3 level passes (excluding General Paper) under a recognized Board or an equivalent from a recognized institution may be the eligibility criteria for admission at SIMT. The candidates have to go through a written test and interview to finally buy the entrance ticket.

CURRICULUM PLAN

SEMESTER-I				
S. No	**Course code**	**Course Title**	**Pre-requisite**	**Credit hours**
1	ASC 100	Basic Mathematics	None	3
2	CSC 181	Introduction to Computers	None	3
3	HMT 105	Pakistan & Islamic Studies	None	3
4	HMT 101	English-I	None	3
5	BUS 101	Introduction to Business	None	3
		Total		**15**

SEMESTER-II				
S. No	**Course code**	**Course Title**	**Pre-requisite**	**Credit hours**
1	ECN 101	Principles of Economics	None	3
2	HMT 102	English-II	HMT 101	3
3	ACT 211	Principles of Accounting	None	3
4	MKT 321	Principles of Marketing	None	3
5	MGT 201	Principles of Management	None	3
6	HMT 302	Psychology	None	3
		Total		**18**

SEMESTER-III				
S. No	**Course code**	**Course Title**	**Pre-requisite**	**Credit hours**
1	HMT 301	Sociology	None	3

2	ACT 202	Financial Accounting	ACT 211	3
3	ASC 162	Business Mathematics	ASC 100	3
4	MGT 311	Organizational Behavior	MGT 201	3
5	HMT 215	Business Communication	HMT 102	3
6	ASC 304	Statistics	None	3
Total				18

SEMESTER-IV				
S. No	Course code	Course Title	Pre-requisite	Credit hours
1	MGT 321	Human Resource Management	MGT201	3
2	HMT 401	Business Research Methods	ASC 304	3
3	HST 315	Business and Industrial Law	None	3
4	ECN 107	Economic Analysis & Policies	ECN 101	3
5		Elective-I		3
6	FIN 201	Introduction to Business Finance	ACT 202	3
Total				18

SEMESTER-V				
S. No	Course code	Course Title	Pre-requisite	Credit hours
1		Project--I		3
2	MKT 411	Marketing Management	MKT321	3
3	MGT 510	Total Quality Management	None	3
4	ACT 421	Managerial Accounting	ACT202	3
5	ACT 301	Cost Accounting & Adv. Accounting	ACT211	3
6		Elective-II		3
Total				18

SEMESTER-VI				
S. No	Course code	Course Title	Pre-requisite	Credit hours
1	MGT 541	Strategic Management	MKT 411	3
2	MGT 431	Entrepreneurship	MKT 411	3
3	MGT 531	Project Management	MKT 411	3
4	FIN 311	Financial Management	FIN 201	3
5		Elective-III		
6	MGT 621	Business Policy	None	3
Total				18

SEMESTER-VII

S. No	Course code	Course Title	Pre-requisite	Credit hours
1	MKT 321	Consumer Behavior	MKT 411	3
2	ESM 101	Quantitative Skills	None	3
3		Internship-I		3
4		Internship-II		3
5	MGT 231	Personal Management/SelfManagement	None	3
6	MGT 300	Law of Taxation	None	3
Total				18

SEMESTER-VIII				
S. No	Course code	Course Title	Pre-requisite	Credit hours
1		Project-II		3
2	MKT 506	Strategic Marketing	MGT 321	3
3	SCM 421	Supply Chain Management	MKT 411	3
4	MGT 322	Operations Management	MKT 411	3
5	MIS 222	Management Information Systems	CSC 181	3
6		Elective-IV		3
Total				18

MASTER'S IN BUSINESS ADMINISTRATION (MBA)

The Department of Business Administration offers MBA degree program with Marketing, Human Resource Management, Finance, Project Management, Islamic Banking, Supply Chain Management, Information System and Hospitality. Duration of the program varies with what the candidate has already accomplished academically (See the eligibility criteria

Admission eligibility & procedure for MBA

All students of these categories have to go through a written test followed by Viva to get an admissibility ticket.

UNDERGRADUATE ELECTIVES

Finance

Code	Course Title
FIN501	Corporate Finance
FIN502	Working Capital Management
FIN503	Taxation Management
FIN504	Companies Law
FIN505	Treasury & Fund Management
FIN506	Security Analysis
FIN507	Project Evaluation
FIN511	Analysis of Financial Statement

FIN531	Micro Finance
FIN643	Portfolio Management
FINxxx	International Finance
FIN563	Investment Banking

Marketing

Code	Course Title
MKT501	Advertising
MKT502	Sales Management
MKT503	Brand Management
MKT504	Services Marketing
MKT507	International Marketing
MKT511	Consumer Behavior
MKTxxx	Internet Marketing
MKTxxx	New Product Development
MKTxxx	Retail Marketing

Human Resource Management

Code	Course Title
MGT501	Recruitment & Selection
MGT502	Industrial Relations
MGT503	Organizational Development
MGT504	Training & Development
MGT505	Compensation Management
MGT506	Strategic Human Resource Management
MGT507	Performance Management
MGT509	Human Resource Development
MGT511	Organizational Theory & Design
MGT583	Human Resource Laws
MGT584	Motivation & Reward Management
MGT585	Strategic Leadership
MGTxxx	Human Resource Information System
MGT623	Advance Organizational Development

Sindh Institute of Management & Technology

Faculty of Busiess Administration

MBA (2 YEARS) Degree Program (Non-Business Stream)

DESIGN SUMMARY

1	**Normal Duration 2 YEARS(4 SEMESTERs)**			
2	Total Credit Hours	66 CHs		
3	Total No. of Courses	**22 Courses (3 CHs each) OR 20 courses 3 CHS each + Thesis (6CHS)**		
4	Entry Requirement	16 year non-business education (with 45% marks+ GAT(50%) & interview		

SEMESTER ZERO				
S.NO	**Code**	**MBA(2 Years) Non Business Streams**	**Cr. Hours**	**Pre-requisite**
		SEMESTER 1		
1	ACC 511	Financial Accounting	3	
2	ECO 515	Business Economics	3	
3	MKT 513	Principles of Marketing	3	
4	MGT 512	Principles of Management	3	
5	MGT 516	Business Communication	3	
6	MTS 525	Applied Statistics	3	
		Total Credits	**18**	
		SEMESTER 2		
1	ACC 521	Cost & Management Accounting	3	ACC 511
2	MGT 522	Human Resourse Management	3	
3	MGT622	Entrepreneurship	3-0	
4	FIN 525	Financial Management	3	FIN 421
5	MIS 623	Management Information System	3	
6	SCM601	Supply Chain Management	3-0	MKT 513
		Total Credits	**18**	
		SUMMER SEMESTER		
		SEMESTER 3		
1	MGT 722	Advanced Research Methods	3	
2	MKT 712	Strategic Marketing	3	MKT 513
3	FIN 711	Strategic Finance	3	
4		Elective - I	3	
5		Thesis-I	3	
		Total Credits	**15**	
		SEMESTER 4		
1	MTS 723	Advanced Quantitative Analysis	3	
2	MGT 714	Leadership & Change	3	MGT 512
3	MGT 713	Advanced Strategic Management	3	
4		Elective - II	3	
5		Thesis II		
		Total Credits	**15**	

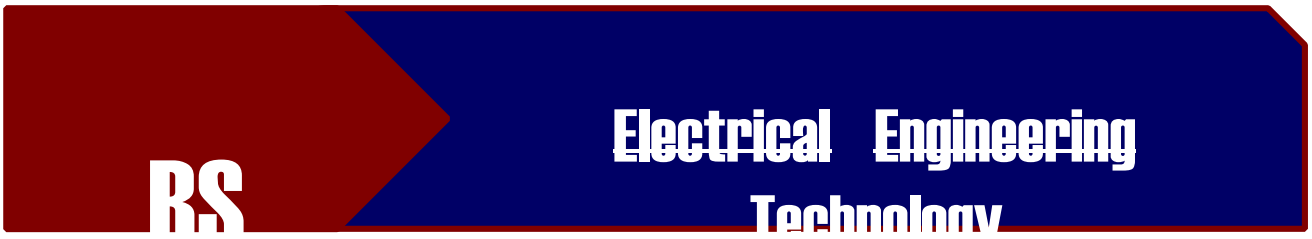
Total Program Credits	**66**

Internship:	**Six to Eight week supervised internship**

	Degree Awarding CGPA	Minimum degree awarding CGPA is 2.5 out of 4

MBA (1.5 years)

		Semester 1		
1	MGT 722	Advanced Research Methods	3	
2	MKT 712	Strategic Marketing	3	MKT 513
3	FIN 711	Strategic Finance	3	
4	MGT 713	Advanced Strategic Management	3	
		Total Credits	**12**	
		Semester 2		
1	MTS 723	Advanced Quantitative Analysis	3	
2	MGT 714	Leadership & Change	3	MGT 512
3		Elective-I	3	
4		Thesis 1	3	
		Total Credits	**12**	
		Semester 3		
1		Elective - II	3	
2		Thesis-2	3	
		Total Credits	**6**	
		Total Program Credits	**30**	



The Bachelor of Science degree program in Electrical Engineering Technology has been offering since 2019 at this Institute with the aim and objective to address the industry needs of technologist graduates. The Institute is functioning under the umbrella of Higher Education Commission (HEC) of Pakistan in the framework of National Technology Council (NTC). Since electricity is a basic necessity nowadays. There is sufficient scope of electrical engineering and there is a huge recruiting market in country and abroad. The curriculum of electrical technology program is compatible with NTC curriculum framework. This includes blend of natural science courses, humanities courses, core foundation, breadth, depth, elective courses, management courses, project work and emphasis on supervised industrial training. The salient features of program are mentioned in table.

Minimum Duration	**4 Years**
Eligibility	**Relevant DAE/HSC Pre-Engineering with minimum 50% Marks**
One Academic Year	**02 Semesters**
No of Semesters	**08**
Each Semester Duration	**16-18 Weeks**
Credit Hours /Semester	**16-18**
Industrial Training	**32 Credit Hour**
Total Credit Hours	**137**

VISION

To produce Technopreneurial Leaders through Innovative and Experiential Learning Modes of Education.

MISSION

To produce technically trained technologists incorporating excellent communicative and managerial skills to accomplish modern technological needs of Electrical Engineering industry and society.

Program Education Objectives (PEOs)

PEOs	PEOs Description	Mapped PLOs
1	Produce skilled graduates who possess broader knowledge, techniques, tools used in analysis, design, investigate and demonstrate effective problem-solving skills in the domain of mechanical/electrical engineering technology.	Technology Knowledge, Modern Tool Usage and Project Management. (PLOs 1-5 & 11)
2	Proficient to communicate, perform effectively as an individual, as a team member in multi discipline environment for the up lift of society and community.	Communication, Team work and the technologist and Society. (PLOs 6,9,10)
3	Successfully practice lifelong learning and continuous improvement of their knowledge and skills in the design development and application of mechanical/electrical systems in diverse industries with the highest professional and ethical standards to exhibit global sustainability.	Lifelong Learning and Ethics, Environment and Sustainability. (PLOs 7,8,12)

Program Learning Outcome

1. **Engineering Knowledge:** An ability to apply knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.

2. **Problem Analysis:** An ability to identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.

3. **Design/Development of Solutions:** An ability to design solutions for complex engineering problems and design systems, components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations.

4. **Investigation:** An ability to investigate complex engineering problems in a methodical way including literature survey, design and conduct of experiments, analysis and interpretation of experimental data, and synthesis of information to derive valid conclusions.

5. **Modern Tool Usage:** An ability to create, select and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling, to complex engineering activities, with an understanding of the limitations.

6. **The Engineer and Society:** An ability to apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to professional engineering practice and solution to complex engineering problems.

7. **Environment and Sustainability:** An ability to understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate knowledge of and need for sustainable development.

8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice.

9. **Individual and Team Work:** An ability to work effectively, as an individual or in a team, on multifaceted and /or multidisciplinary settings.

10. **Communication:** An ability to communicate effectively, orally as well as in writing, on complex engineering activities with the engineering community and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

11. **Project Management:** An ability to demonstrate management skills and apply engineering principles to one's own work, as a member and/or leader in a team, to manage projects in a multidisciplinary environment.

12. **Lifelong Learning:** ability to recognize importance of, and pursue lifelong learning in the broader context of innovation and technological developments.

COURSE OUTLINE

REVISED ELECTRICAL ENGINEERING TECHNOLOGY COURSE MARIX – 2021

SEMESTER-I						
S. No	Course Code	Course Title	Pre-Requisite	Credit Hours	Contact Hours	Area of Study
1	NS-111	Mathematics -1	HSC or Equivalent	3+0	3	Natural Science/Math
2	CS-111	Introduction to Computers		2+1	5	Computer Science
3	HUM-111	Pakistan & Islamic Studies		4+0	4	Humanities
4	HUM112	English Composition & Comprehension		2+0	2	Humanities/English
5	NS-112	Applied Physics		2+1	5	Natural Science/Phy
6	HUM-113	Professional Ethics/Business Ethics		2+0	2	Humanities
				15+2	21	

SEMESTER-II						
S. No	Course Code	Course Title	Pre-Requisite	Credit Hours	Contact Hours	Area of Study
1	NS-121	Mathematics-II	NS-111	3+0	3	Natural Science/Math
2	ET-121	Basic Electrical Technology		3+1	6	Engg Foundation
3	MT-121	Engineering Mechanics		3+0	3	
4	MT-122	Engineering Drawing		1+1	4	
5	ET-122	Power Generation System		2+0	2	
6	ET-123	Electronic Devices & Circuits/Basic Electronics	NS-112	3+1	6	Major based Breadth
				15+3	24	

SEMESTER-III

S. No	Course Code	Course Title	Pre-Requisite	Credit Hours	Contact Hours	Area of Study
1	HUM211	Communication & Interpersonal Skills	HUM-112	2+0	2	Humanities/English
		AC Circuir Analysis				
2	ET-211		ET-121	3+1	6	Major based Breadth
3	ET-212	Instruments and Measurements	ET-123	3+1	6	
4	ET-213	Electrical Machines	ET-121	3+1	6	
5	NS-211	Probability Statistics1	NA-121	3+0	3	Humanities
				14+3	23	

SEMESTER-IV

S. No	Course Code	Course Title	Pre-Requisite	Credit Hours	Contact Hours	Area of Study
1	ET-221	Digital Electronics	ET-123	2+1	5	Major Based Breadth
2	ET-XXX	Breadth Elective -1		3+0	3	
3	ET-222	Power Electronics	ET-211	3+1	6	Major Based Depth
4	ET-XXX	Breadth Elective -2		3+0	3	
5	HUM-221	Technical Report Writing	HUM-211	3+0	3	Humanities/English
6	MGT-226	Organizational Behavior		2+0	2	Humanities
				16+2	22	

SEMESTER-V

S. No	Course Code	Course Title	Pre-Requisite	Credit Hours	Contact Hours	Area of Study
1	ET-311	Microcontroller Interface	ET-221	2+1	5	Major based Breadth
2	ET-312	Communication Technologies		2+1	5	Major based Depth
3	ET-313	Control Technology	ET-211	2+1	5	
4	ET-XXX	Depth Elective – 1		2+1	5	
5	MGT-311	Total Quality Management		2+0	2	Management Science
				14+3	23	

SEMESTER-VI

S. No	Course Code	Course Title	Pre-Requisite	Credit Hours	Contact Hours	Area of Study
1	MGT-324	Project & Industrial Management		3+0	3	Management Science
2	ET-321	Power System Analysis	ET-122	2+0	2	Major based Depth
3	CS-321	Data & Computer Communication	ET-312	2+1	5	
4	ET-322	Industrial Control & Automation	ET-313	3+1	6	
5	ET-XXX	Depth Elective – 2		2+1	5	
6	ET-323	Project	Courses studied up to S-V	0+3	9	
				12+6	**30**	

SEMESTER-VI (SUMMER)

S. No	Course Code	Course Title	Pre-Requisite	Credit Hours	Contact Hours	Area of Study/Level
1	ET-323	Project (Continue)	Courses studied up to S-V	0+3	9	Major Based Depth
				0+3	**9**	

SEMESTER-VII						
S. No	Course Code	Course Title	Pre-Requisite	Credit Hours	Contact Hours	Area of Study/Level
1	ET-411	16 weeks Supervised Industrial /Field Training (8×5=40 Hrs/week, 40 x 16 = 640 Hrs /Semester	Courses studied up to S-VI	0+16	640	Major based Depth
					640	
				0+16		

SEMESTER-VIII						
S. No	Course Code	Course Title	Pre-Requisite	Credit Hours	Contact Hours	Area of Study/Level
1	ET-421	16 weeks Supervised Industrial /Field Training (8×5=40 Hrs/week, 40 x 16 = 640 Hrs /Semester	Courses studied up to S-VI	0+16	640	Major based Depth
					640	
				0+16		

Total Credit Hours	82+55
Grand Total	137

LIST OF BREADTH ELECTIVES					
S. No	Course Code	Major Based Breath Electives	Credit Hrs	Contact Hours	Remarks
1	ET-223	Electrical Power Transmission & Distribution	3+0	3	Breath Elective – 1
2	ET-224	Renewable Energy Systems	3+0	3	
3	ET-225	Electrical Power Distribution & Utilization	3+0	3	
4	ET-226	Electromagnetic Field Theory	3+0	3	Breath Elective – 2
5	ET-227	Microwave Engineering	3+0	3	

LIST OF DEPTH ELECTIVES					
S.No	Course Code	Major Based Depth Electives	Credit Hrs	Contact Hours	Remarks
1	ET-314	Switch Gear & Protective Devices	2+1	5	Depth Elective – 1
2	ET-315	High Voltage Technology	2+1	5	
3	ET-316	Embedded Systems	2_1	5	
4	ET-324	Electric Drives	2+1	5	Depth Elective – 2
5	ET-326	Industrial Drives & PLC	2+1	5	
6	ET-327	Electric Vehicles & Charging	2+1	5	

BS Mechanical Engineering Technology

The Bachelor of Science degree program in Mechanical Engineering Technology has been offering since 2019 at this Institute with the aim and objective to address the industry needs of technologist graduates. The Institute is functioning under the umbrella of Higher Education Commission (HEC) of Pakistan in the framework of National Technology Council (NTC). Mechanical engineering plays a critical role in manufactured technologies, from cars to airplanes to refrigerators. It enables you to do many daily activities with ease, as it brings helpful technologies to our modern society. There is sufficient scope of mechanical engineering and there is a huge recruiting market in country and abroad. The curriculum of mechanical technology program is compatible with NTC curriculum framework. This includes blend of natural science courses, humanities courses, core foundation, breadth, depth, elective courses, management courses, project work and emphasis on supervised industrial training. The salient features of program are mentioned in table

Minimum Duration	4 Years
Eligibility	Relevant DAE/HSC Pre-Engineering with minimum 50% Marks
One Academic Year	02 Semesters
No of Semesters	08
Each Semester Duration	16-18 Weeks
Credit Hours /Semester	16-18
Industrial Training	32 Credit Hour
Total Credit Hours	137

Mechanical Engineering Mission

To produce technically trained technologists incorporating excellent communicative and managerial skills to accomplish modern technological needs of Mechanical Engineering industry and society.

SINDH INSTITUTE OF MANAGEMENT AND TECHNOLOGY

Technology Program Education Objective (PEOs)

PEOs	PEOs Description	Mapped PLOs
1	Produce skilled graduates who possess broader knowledge, techniques, tools used in analysis, design, investigate and demonstrate effective problem solving skills in the domain of mechanical/electrical engineering technology.	Technology Knowledge, Modern Tool Usage and Project Management. (PLOs 1-5 & 11)
2	Proficient to communicate, perform effectively as an individual, as a team member in multi discipline environment for the up lift of society and community.	Communication, Team work and the technologist and Society. (PLOs 6,9,10)
3	Successfully practice lifelong learning and continuous improvement of their knowledge and in the design development and application of mechanical/electrical systems in diverse industries with the highest professional and ethical standards to exhibit global sustainability.	Lifelong Learning and Ethics, Environment and Sustainability. skills (PLOs 7,8,12)

MECHANICAL ENGINEERING TECHNOLOGY REVISED COURSE MARIX – 2021

SEMESTER-I						
S. No	Course Code	Course Title	Pre-Requisite	Credit Hours	Contact Hours	Area of Study
1	NS-111	Mathematics -1	HSE or Equivalent	3+0	3	Natural Science/Math
2	CS-111	Introduction to Computers		2+1	5	Computer Science
3	HUM111	Pakistan & Islamic Studies		4+0	4	Humanities
4	HUM-112	English Composition & Comprehension		2+0	2	Humanities/English
5	NS-112	Applied Physics		2+1	5	Natural Science/Phy
6	HUM113	Professional Ethics/Business Ethics	Noon	2+0	2	Humanities
				15+2	21	

SEMESTER-II						
S. No	Course Code	Course Title	Pre-Requisite	Credit Hours	Contact Hours	Area of Study
1	NS-121	Mathematics-II	NS-111	3+0	3	Natural Science/Math

2	ET-121	Basic Electrical Technology	Noon	3+1	6	
3	MT-121	Engineering Mechanics	NS-112	3+0	3	Engg Foundation
4	MT-122	Engineering Drawing & CAD-I	Noon	1+1	4	
5	MT-123	Applied Thermodynamic-I	Noob	2+0	2	
6	ET-123	Electronic Devices & Circuits/Basic Electronics	NS-112	3+1	6	Major based Breadth
				15+3	**24**	

SEMESTER-III						
S. No	**Course Code**	**Course Title**	**Pre-Requisite**	**Credit Hours**	**Contact Hours**	**Area of Study**
1	MT-211	Workshop Technology	Noon	1+1	4	Engg Foundation
2	MT-212	Industrial Material	Noon	2+0	2	
3	MT-213	Mechanics of Machine	MT-121	2+0	2	
4	ET-212	Instrumentation & Measurement	ET-123	3+1	6	Major based Breadth
5	HUM-211	Communication & Interpersonal Skills	HUM-112	3+0	3	Humanities/English
6	NS-211	Probability Statistics1	NS-121	3+0	3	Humanities
				14+2	**20**	

SEMESTER-IV						
S. No	Course Code	Course Title	Pre-Requisite	Credit Hours	Contact Hours	Area of Study
1	MT-221	Applied Thermodynamic-II	MT-123	2+1	5	Major based Breadth
2	MT-222	CAD-II	MT-122	0+2	6	
3	MT-223	Mechanics of Material	Noon	2+1	5	
4	MT-224	Fluid Mechanics	Noon	2+1	5	
5	MGT-226	Organizational Behavior	Noon	2+0	2	Humanities
6	HUM-221	Technical Report Writing	HUM-211	3+0	3	Humanities/English
				12+4	26	

SEMESTER-V						
S. No	Course Code	Course Title	Pre-Requisite	Credit Hours	Contact Hours	Area of Study
1	MT-XXX	Elective-I		2+1	5	Major based Breadth
2	MT-311	Machine Design	MT-223	3+0	3	
3	MT-312	Heat and Mass Transfer	MT-221	2+1	5	Major based Depth
4	MT-313	Manufacturing Processes	MT-212	2+1	5	
5	MT-XXX	Elective-II		3+0	3	Major Based Breadth
6	MGT-311	Total Quality Management	Noon	2+0	2	Management Science
				14+3	23	

SEMESTER-VI						
S. No	Course Code	Course Title	Pre-Requisite	Credit Hours	Contact Hours	Area of Study
1	MGT-321	Project & Industrial Management	Noon	3+0	3	Management Science
2	MGT-322	Principles of Economics	Noon	2+0	2	Humanities
3	MT-XXX	Elective-I		2+0	2	Major based Depth
4	MT-321	Refrigeration & Air Conditioning	MT-312	2+1	5	
5	MT-XXX	Elective-II		3+0	3	
6	MT-322	Project	Courses studied up to S-V	0+3	9	
				12+4	24	

SEMESTER-VI (SUMMER)

S. No	Course Code	Course Title	Pre-Requisite	Credit Hours	Contact Hours	Area of Study/Level
1	MT-322	Project (Continue)	Courses studied up to S-V	0+3	9	Major Based Depth
				0+3	9	

SEMESTER-VII						
S. No	Course Code	Course Title	Pre-Requisite	Credit Hours	Contact Hours	Area of Study/Level
1	MT-411	16 weeks Supervised Industrial /Field Training (8×5=40 Hrs/week, 40 x 16 = 640 Hrs /Semester	Courses studied up to S-VI	0+16	640	Major based Depth
				0+16	640	

SEMESTER-VIII						
S. No	Course Code	Course Title	Pre-Requisite	Credit Hours	Contact Hours	Area of Study/Level
1	MT-421	16 weeks Supervised Industrial /Field Training (8×5=40 Hrs/week, 40 x 16 = 640 Hrs /Semester	Courses studied up to S-VI	0+16	640	Major based Depth
					640	
				0+16		

Total Credit Hours	82+53
	135
Grand Total	

LIST OF BREADTH ELECTIVES					
S. No	Course Code	Major Based Breath Electives	Credit Hrs	Contact Hours	Remarks
1	MT-314	Internal Combustion Engine	2+1	5	Breadth Elective – 1
2	MT-315	Compressible Flow and Propulsion System	2+1	5	
3	MT-316	Material Handling and Safety	3+0	3	
4	MT-317	Stress Analysis	3+0	3	Breadth Elective – 2
5	MT-318	Electric Vehicles & Charging	3+0	3	

S. No	Course Code	Major Based Depth Electives	Credit Hrs	Contact Hours	Remarks
1	MT-323	Mechanical Vibration	2+0	2	Depth Elective – 1
2	MT-324	Gas Turbine	2+0	2	
/3	MT-325	Renewable Energy	2+0	2	
4	MT-327	Maintenance Engineering	3+0	3	Depth Elective – 2
5	MT-328	Power Plant Engineering	3+0	3	

Computer Science

ASSOCIATE-DEGREE-OF-COMPUTER-SCIENCE

We offer the Associate Degree in Computer Science Program at Sindh Institute of Management & Technology (SIMT) in Karachi, where innovation meets education. This twoyear program is meticulously crafted to provide a strong foundation in computer science, blending theoretical knowledge with practical application. At SIMT, students embark on a journey of discovery in programming, software development, database management, and networking, under the guidance of industry-experienced faculty. Our program aims to nurture problem-solving skills and cultivate a deep understanding of technological advancements, preparing graduates for diverse career opportunities or further academic pursuits in the ever-evolving landscape of technology .

Eligibility Criteria: Inter Pre. Engg / Inter Pre Medical / DAE / I.Com with 50%

PROGRAM REVIEW

- An associate's degree is an undergraduate academic degree awarded by community colleges upon completion of a course of study usually lasting two years.
- An associate's degree is equivalent to the first two years of a four-year college or university degree.
- This degree forms the foundation of a bachelor's degree by allowing students to complete all of the general education requirements prior to (Possible) transfer to a fouryear university.

BENEFITS OF THE PROGRAM

Terminal Degree:

- The students, who do not want to continue with four years University, can utilize their ‘Degree’ to get the technical job (placement) in the market.

MARKET ORIENTATION

Students will be able to simultaneously complete industry certifications such as SCJP, MCSD, MCAD, IEEE - (CSDA), OCI, (DBA), OCP (Developer), ISAC, CISSP, CIW Web Designing, Specialist, CCNA.

HEC Proposed Model for the Program

S.No	Categories	No. of Courses Min-Max	Credit Hours Min-Max	Credit Hours Percentile
1	Compulsory Requirement (no Choice)	8	20	29%
2	Discipline Specific Foundation Courses	4	12	18%
3	Major Courses including Project/Internship	10	30	44%
4	Electives	2	6	9%

Total Number of Credit Hours: 65 – 68

Duration: 2 Years

Semester Duration: l6 - 18 weeks

Course Load per Semester: 16-l8 Credit Hours

Avg. No. of Courses per Semester: 4 - 6 (Not more than 3 lab/practical courses/semester)

Sindh Institute of Management and Technology
Proposed Model for the Program

S.No	Categories	No. of Courses Min-Max	Credit Hours Min-Max	Credit Hours Percentile
1	Compulsory Requirement (no Choice)	8	20	29%
2	Discipline Specific Foundation Courses	4	12	18%
3	Major Courses including Project/Internship	10	30	44%
4	Electives	2	6	9%

Semester Duration: l6 - 18 weeks

Course Load per Semester: 16-l8 Credit Hours

Avg. No. of Courses per Semester: 4 - 6 (Not more than 3 lab/practical courses/semester)

ELIGIBILITY CRITERIA FOR ADMISSION

- HSC or equivalent with at least 2nd Division 45% marks, at the time of appearing for test and interview.
- Candidates who have appeared in final exam of HSC or equivalent can also apply for admissions.
- These candidates will be provided provincial admission to associate program, in case if their final year results are found not meeting the minimum requirements, their provisional admission will stand cancelled.

SCHEME OF STUDY FOR ASSOCIATE OF SCIENCE IN COMUPTER SCIENCE – AS (CS)

- Computer Programming and Analysis – CPA (Software Engineering)
- Database and Information Systems Management - DISM
- Computer Communication and Networks – CCN

Computer Programming and Analysis – CPA (Software Engineering)

S.No	Compulsory Requirement (General Education Core Courses)	Credit hours
1	English-I (English Composition and Comprehension-I	3+0=3
2	English-II (English Composition and Comprehension-II)	3+0=3
3	Math-I (Calculus-I)	3+0=3
4	Math-II (Linear Algebra and Geometry)	3+0=3

5	Math-III (Probability and Statistics)	3+0=3
6	Islamic Studies/Ethics & Pakistan Studies	2+1
7	English-III (Communication & Presentation Skills)	3+0=3

Total Credit Hours	**21**

S.No	Discipline Specific Foundation Courses - CPA	Credit hours
1	Introduction to Information and Communication Technologies (ICT)	2+1=3
2	Computer Programming	2+1=3
3	Data Structure Applications	2+1=3
4	Computer Organization & Assembly Language	2+1=3
	Total Credit Hours	12

S.No	Major Courses - CPA	Credit hours
1	Object Oriented Programming	2+1=3
2	Visual Programming	2+1=3
3	Software Engineering	3+0=3
4	Digital Logic Design	2+1=3
5 6	Fundamental of Web Programming	2+1=3
7	Advanced Object Oriented Programming	3+1=4
	Operating System	3+0=3
8	Advance Visual Programming	3+1=4
9	Project/Internship	0+4=4
	Total Credit Hours	**30**

S.No	Elective - CPA	Credit hours
1	Design and Implementation of Databases	2+1=3
2	Software Project and Quality Management	3+0=3
3	Theory of Automata	3+0=3
4	Analysis of Algorithms	3+0=3
5	Object Oriented Analysis and Design	2+1=3
6	Web Programming (Server Side)	2+1=3
	Total Credit Hours	**06**

Database and Information Systems Management DISM

S.No	Compulsory Requirement (General Education Core Courses)	Credit hours
1	English-I (English Composition and Comprehension-I	3+0=3
2	English-II (English Composition and Comprehension-II)	3+0=3
3	Math-I (Calculus-I)	3+0=3
4	Math-II (Linear Algebra and Geometry)	3+0=3
5	Math-III (Probability and Statistics)	3+0=3
6	Islamic Studies/Ethics & Pakistan Studies	2+1=3
7	English-III (Communication & Presentation Skills)	3+0=3
	Total Credit Hours	**21**

S.No	Discipline Specific Foundation Courses - DISM	Credit hours
1	Introduction to Information and Communication Technologies (ICT)	2+1=3
2	Fundamentals of Programming	2+1=3
3	Data Structure Applications	2+1=3
4	Fundamentals of Database and SQL	2+1=3
	Total Credit Hours	**12**

S.No	Major Courses - DISM	Credit hours
1	Management Information Systems	3+0=3
2	Database Administration	2+1=3
3	Database Application Development	2+1=3
4	Information System Audit and Control	3+0=3
5	Fundamental of Web Programming	2+1=3
6	Operating Systems	3+0=3
7	Web Programming	3+1=4
8	Advance Database Management	3+1=4
9	Project/Internship	0+4=4
	Total Credit Hours	**30**

S.No	Elective - DISM	Credit hours
1	Multimedia and Graphic Tools	2+1=3
2	Information System Security	3+0=3
3	Fundamentals of Data Warehousing and Data Mining	3+0=3
4	Developing Web Services and Server Components	2+1=3

5	Database integration with VBA	2+1=3
	Total Credit Hours	**06**

Computer Communication and Networks– CCN

S.No	Compulsory Requirement (General Education Core Courses)	Credit hours
1	English-I (English Composition and Comprehension-I	3+0=3
2	English-II (English Composition and Comprehension-II)	3+0=3
3	Math-I (Calculus-I)	3+0=3
4	Math-II (Linear Algebra and Geometry)	3+0=3
5	Math-III (Probability and Statistics)	3+0=3
6	Islamic Studies/Ethics & Pakistan Studies	2+1=3
7	English-III (Communication & Presentation Skills)	3+0=3
	Total Credit Hours	**21**

S.No	Discipline Specific Foundation Courses - CCN	Credit hours
1	Introduction to Information and Communication Technologies (ICT)	2+1=3
2	Fundamentals of Programming	2+1=3
3	Data Structure Applications	2+1=3
4	Computer Communication and Networks	2+1=3
	Total Credit Hours	**12**

S.No	Major Courses - CCN	Credit hours
1	Network Security	3+0=3
2	Digital Logic Design	3+1=4
3	Basic Electronics	3+1=4
4	Network Administration	2+1=3
5	Wireless Network	2+1=3
6	Switching and Routing	2+1=3

7	Operating System	3+0=3
8	Computer Architecture	2+1=3
9	Project/Internship	0+4=4
	Total Credit Hours	**30**

S.No	Elective - CCN	Credit hours
1	Broadband Communication Networks	3+0=3
2	Web Server Administration	2+1=3
3	WAN Implementation	2+1=3
4	Network and Information Systems	3+0=3
5	Network Hardware Support	2+13
6	System Administration	2+1=3
	Total Credit Hours	**06**

BACHELOR OF COMPUTER SCIENCE (BSCS)

Admission Eligibility Criteria

Students who have passed their Intermediate Pre-Engg/DAE/Intermediate with Mathematics & Physics, with minimum 50% are eligible in **BSCS.**

SEMESTER-I					SEMESTER-II				
S.No	**Code**	**Course Title**	**Pre-requisite**	**Credit Hours**	**S.No**	**Code**	**Course Title**	**Pre-requisite**	**Credit Hours**
1	CSC 101	Introduction to ICT		3-0	1	CSC 212	Digital Logic Design	Applied Physics	3-1
2	CSC 102	Programming Fundamentals		3-1	2	CSC 205	Object Oriented Programming	Programming Fundamentals	3-1
3	HMT 101	English Composition & Comprehension		3-0	3	HMT 216	Communication & Presentation Skills	English Composition & Comprehension	3-0
4	ASC 101	Calculus & Analytical Geometry		3-0	4	ASC 304	Probability & Statistics		3-0
5	ASC 102	Applied Physics		3-0	5	HMT 302	Psychology (UE)		3-0
		Credit Hours		**16**			**Credit Hours**		**17**

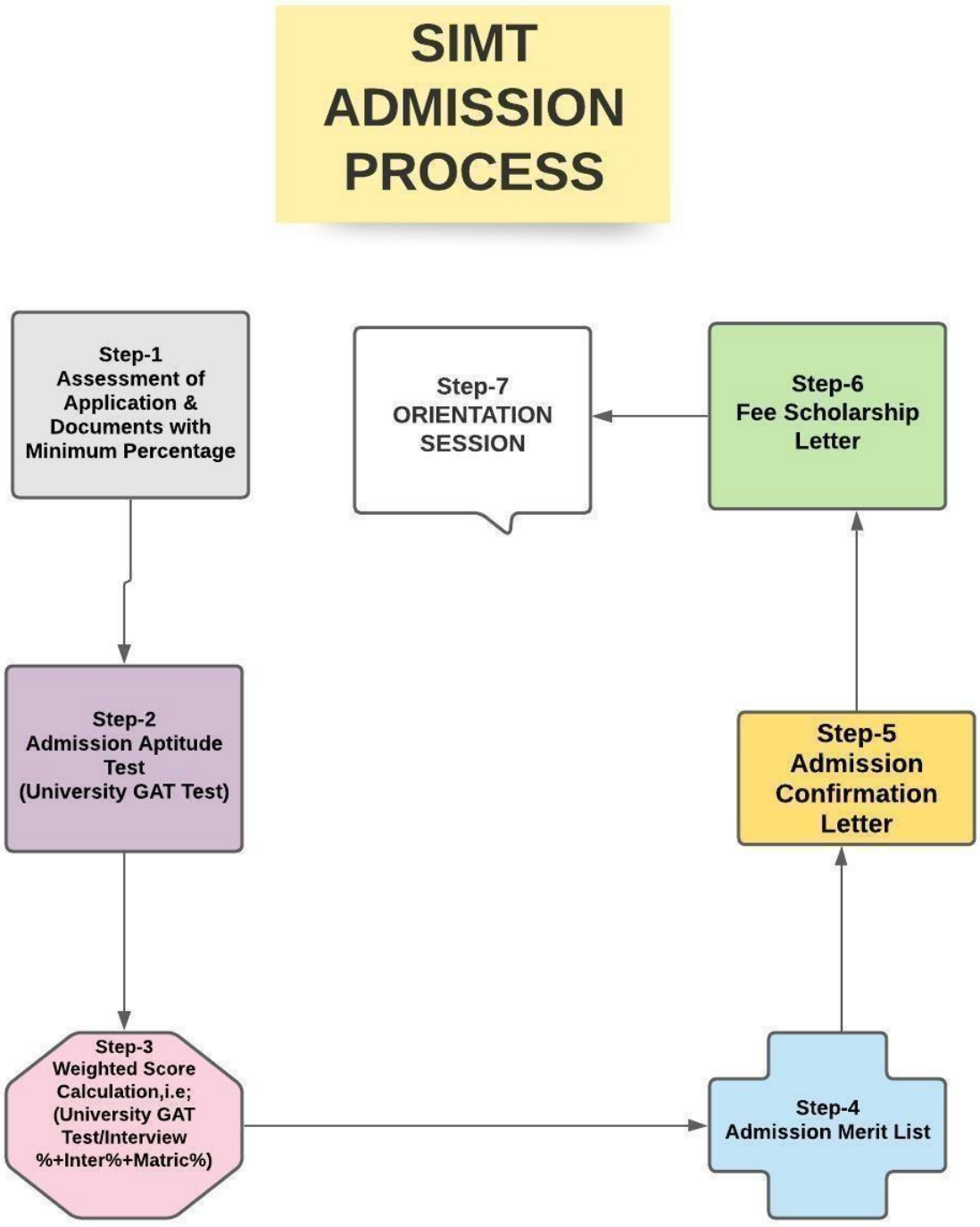
SEMESTER-III					SEMESTER-IV				
S.No	**Code**	**Course Title**	**Pre-requisite**	**Credit Hours**	**S.No**	**Code**	**Course Title**	**Pre-requisite**	**Credit Hours**
1	CSC 103	Comp Organization & Assembly Lang.		3-1	1	CSC 338	Design & Analysis of Algorithms	Data Structures & Algorithms	3-0
2	CSC 211	Data Structures & Algorithms	Object-Oriented Programming	3-1	2	CSC 311	Theory of Automata		3-0
3	CSC 312	Discrete Structures		3-0	3	HMT 300	Database System	Data Structures & Algorithms	3-1
4	CSC 847	Professional Practices		3-0	4	ASC 341	Linear Algebra		3-0
5	ASC 201	Numerical Computing (CS Supporting)		3-0	5	ACT 202	Financial Accounting (UE)		3-0
		Credit Hours		**17**			**Credit Hours**		**16**

EMESTER-V					SEMESTER-VI				
S.No	**Code**	**Course Title**	**Pre-requisite**	**Credit Hours**	**S.No**	**Code**	**Course Title**	**Pre-requisite**	**Credit Hours**

1	CSC 147	Compiler Construction	Theory of Automata	3-0	1	CSC 428	Artificial Intelligence	Discrete Structures	3-1
2	ASC 301	Differential Equations(CS Supporting)		3-0	2	CSC 410	Computer Networks		3-1
3	MGT 322	Operating Systems	Data Structures & Algorithms	3-1	3	CSC 336	Mobile Application & Development (CS ELEC)		3-0
4	CSC 351	Software Engineering		3-0	4	CSC 313	Data Communication Networks (CS ELEC)		3-0
5	ASC 302	Multi-variate Calculus(CS Supporting)		3-0	5	HMT 410	Technical & Business Writing		3-0
		Credit Hours		**16**			**Credit Hours**		**17**
		SEMESTER-VII					**SEMESTER-VIII**		

S.No	Code	Course Title	Pre-requisite	Credit Hours	S.No	Code	Course Title	Pre-requisite	Credit Hours
1	CSC 548	Data & Network Security		3-0	1	CSC522	Cloud Computing (CS ELEC)		3-0
2	CSC 505	Data Warehousing & Mining (CS ELEC)		3-0	2	FIN 311	Financial Management (UE)		3-0
3	CSC 222	Final Year Project – I		0-3	3	CSC 333	Final Year Project - II		0-3
4	HMT 315	Business Ethics (UE)		3-0	4	CSC233	Information Security		3-0
5	CSC 483	Parallel & Distributed Computing	Operating Systems	3-0	5	HMT 105	Pakistan & Islamic Studies		4-0
		Credit Hours		**15**			**Credit Hours**		**16**

APPLICATION PROCESS FOR ADMISSION IN SIMT



Weightage of Ranked Scores of Matric, Intermediate and University GAT Test

University GAT TEST: 60% Intermediate: 25% Matric: 15% Formula for Weightage of Matric Score:

Total Marks/15 = 56.66 marks are equal to 1 percentile 600/850 = Weighted Score = 10.59

Formula for Weightage of Intermediate Score:

Total Marks/25 = 44 marks are equal to 1 percentile 755/1100 = Weighted Score = 17.16

Formula for Weightage of Intermediate Score:

Total Marks/60 = 1 mark is equal to 1 percentile 51/60 = Weighted Score = 51 Total Weighted Score Obtained: 10.59 (Matric) + 17.16 (Inter) + 51 (University GAT Test) =

87.75/100

The Candidate must acquire at least 50% of the aggregate of the University Test + Previous Academic Record in order to be enrolled in SIMT

1. ELIGIBILITY CRITERIA FOR ADMISSION

1. Students who have passed their Intermediate/DAE/**A-Level*** (*Subject to Inter equivalency from respective BISE*) etc. with minimum 45% are eligible in **BBA/BA-Education/AD-Education/AD. COMMERCE/AD. COMPUTER SCIENCE** Programs after clearing their University GAT Test.
2. Students who have passed their Intermediate Pre-Engg/DAE/Intermediate with Mathematics & Physics, with minimum 50% are eligible in **BSCS/BS Engg. Technology** as well as **AD. Computer Science** Programs after clearing their University GAT Test.
3. Students who have passed their BA/B.Sc./B.Com/ B.Tech (Pass) 2-Years equivalent **(50 Credit Hours)** to 14-Year Education Qualification with minimum 2 CGPA or 2nd Division are eligible in BBA –Following (2-Year) Program after clearing their University GAT Test. ***The University may offer 15-18 Credit Hours additional courses in order to cover the difference.***

Note: Inter Board Committee of Chairmen (IBCC) is mandatory for O & A Levels/High School Diploma/IB Diploma or equivalent.

4. Verification of last degree from Higher Education Commission of Pakistan (HEC) is mandatory for Master's Program.
5. Equivalency of international degrees from Higher Education Commission of Pakistan (HEC) is mandatory for Master's Program.
6. Admission of Foreign students are subject to clearance from the relevant Agencies/NoC from HEC.
7. Students waiting for results can also apply.

8. Candidates appeared in the Intermediate or Bachelors examination and awaiting results, may be admitted provisionally provided other requirements of the degree are met. Such candidates must fill an undertaking on the admission form before their applications may be considered for the Aptitude test. However, if a student fails to pass the examination or scores below the eligibility requirement of the degree, his/her admission will be immediately cancelled. Such student is given the opportunity to re-apply after the academic eligibility of the Program is met. Candidates, who fail to meet the eligibility criteria and are dropped from the degree programs will not refund their tuition fee. However, candidates must provide the complete academic result (mark sheet or the copy of the admit card and newspaper cutting) within four weeks after the announcement in the newspaper to the Admission Office.

2. DEFERMENT OF ADMISSION

Students who are granted admissions at the Institute and want to postpone their admission for one semester are allowed to do so if they submit an application in writing to the Admission Office. The tuition fee of such students can also be transferred into the next semester if the Admission Office gets the application within a week of the commencement of that semester. Fee shall not be transferred after one week. Students who join the Institute and then decide to leave the Institute are not eligible for any refund in the tuition fee.

3. PROCEDURES AND CRITERIA OF ADMISSION

Admissions will be advertised in the leading newspapers before commencement of the semester.

All candidates will be required to appear in the Aptitude/Admission Entry Test and secure minimum 50% marks in the test.

Then they will appear before the Interview Panel. If the students secure aggregate of 50% in the Admission Test, Interview and Previous Academic Record, they will qualify for getting admission in Sindh Institute of Management & Technology (SIMT).

SELECTION

The final selection of a candidate depends on the combined rating of the above factors.

APTITUDE TEST

All applications will be sorted out and assessed on basis of eligibility criteria for shortlisting purpose. Candidates' last qualification will be properly checked. It will be checked whether a candidate has submitted all important testimonials or not. Applicants will be required to take the Aptitude Test irrespective of their previous system of education, which provides a fair measure of the candidates' scholastic attainment as well as an insight into their potential.

The test assesses applicants' skills in the following areas:

1. English
2. Mathematics
3. General Knowledge
4. I.T

Have gone through the test, the candidate will be interviewed in order to judge his/her I.Q, present-mindedness, convincing power and communication skills. Finally, the percentile score of academic record of Matric, Inter/(Bachelors) and University GAT Test will be accumulated. The Admission Merit List will be issued/displayed on the university website/Notice Boards and communicated to the candidate through Admission Confirmation Letter. Finally, the Fee Scholarship Award Letter will also be issued to the concerned students letting him know the total break-up of the fee package offered to him with the signature of the worthy Vice Chancellor.

DOCUMENTS REQUIRED FOR ADMISSION		
1.	Candidates granted admissions are required to submit the following documents for registration and enrollment. Failing which admission will be cancelled.	
2.	Matric / O Level Certificate	Attested Photocopy
3.	Intermediate / A Level Certificate	Attested Photocopy
4.	Intermediate Mark sheet	Attested Photocopy
5.	Bachelor's' Degree & Marksheet (For Masters)	Attested Photocopy
6.	C.N.I.C. or Birth Certificate or B. Form	Attested Photocopy
7.	Migration Certificate (for Student other than Karachi Board)	Original
8.	Equivalency Certificate from IBCC (A Level)	Original
9.	Four recent Passport size photographs	Attested on Back side

Eligibility Criteria for Admission in various degree Programs in Sindh Institute of Management & Technology (SIMT) strictly follows the instructions and guidelines provided in **Guide for Implementing Undergraduate Education Policy, 2020, IMPLEMENTATION MANUAL by HEC**.

SINDH INSTITUTE OF MANAGEMENT AND TECHNOLOGY

Sindh Institute of Management & Technology Chartered by Govt. of Sindh & Recognized by HEC	**Name:**
	Program:
	Joining Semester:
	Document Checklist: Matric Certificate & Mark sheet/ Inter/DAE Certificate & Mark sheet/Copy of CNIC (own or Father) / 7 Photographs/ Graduation Mark sheet/Degree
	Fee Package Offered:

Chartered by Govt. of Sindh	**Recognized by HEC**	**Approved by Relevant Councils**
Best Faculty	**Best Labs.**	**Easy HEC Attestation**

SIMT FEE STRUCTURE

PROGRAMS	ELIGIBILITY	ACTUAL FEE PKG
BBA (4 YEARS)	INTER/DAE 45%	525,000
MBA (R)	16 YEARS	300,000
MBA (NR)	16 YEARS	340,000
BSCS (4 YEARS)	INTER/DAE 50%	525,000

SIMT FEE STRUCTURE

PROGRAMS	ELIGIBILITY	ACTUAL FEE PKG
AD. COMMERCE	INTER 45%	250,000
AD. COMPUTER SCIENCE	INTER (PRE-MEDICAL/INTER PRE-ENGG/DAE 45%	250,000

SINDH INSTITUTE OF MANAGEMENT AND TECHNOLOGY

BSC. ENGG TECHNOLOGY (ELECTRICAL)	DAE/INTER PRE-ENGG 50%	650,000
BS. ENGG TECHNOLOGY (MECHANICAL)	DAE/INTER PRE-ENGG 50%	700,000

S.I.M.T

Read in the Name of Allah

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