Highly Ranked Government Chartered University of KPK

Chartered by Government of Khyber Pakhtunkhwa

Recognized by Higher Education Commission (HEC)

Accredited by Pakistan Engineering Council (PEC)

Accredited by Pakistan Council of Architects and Town Planners (PCATP)

Accredited by Pharmacy Council of Pakistan (PCP)

Accredited by Pakistan Nursing and Midwifery Council

Accredited by National Computing Education Accreditation Council (NCEAC)

Certified by ISO 9001:2015

Member of the United Nations Academic Impact (UNAI)

Member of Asia Pacific Quality Network (APQN)

Member of Association of Management Development Institutions in South Asia (AMDISA)

Sector F-5, Phase 6, Hayatabad, Peshawar

www.cecos.edu.pk

/cecosofficial

091-5860291-3

For More Information call / Whatsapp Us
0345-0023267

CECOS UNIVERSITY

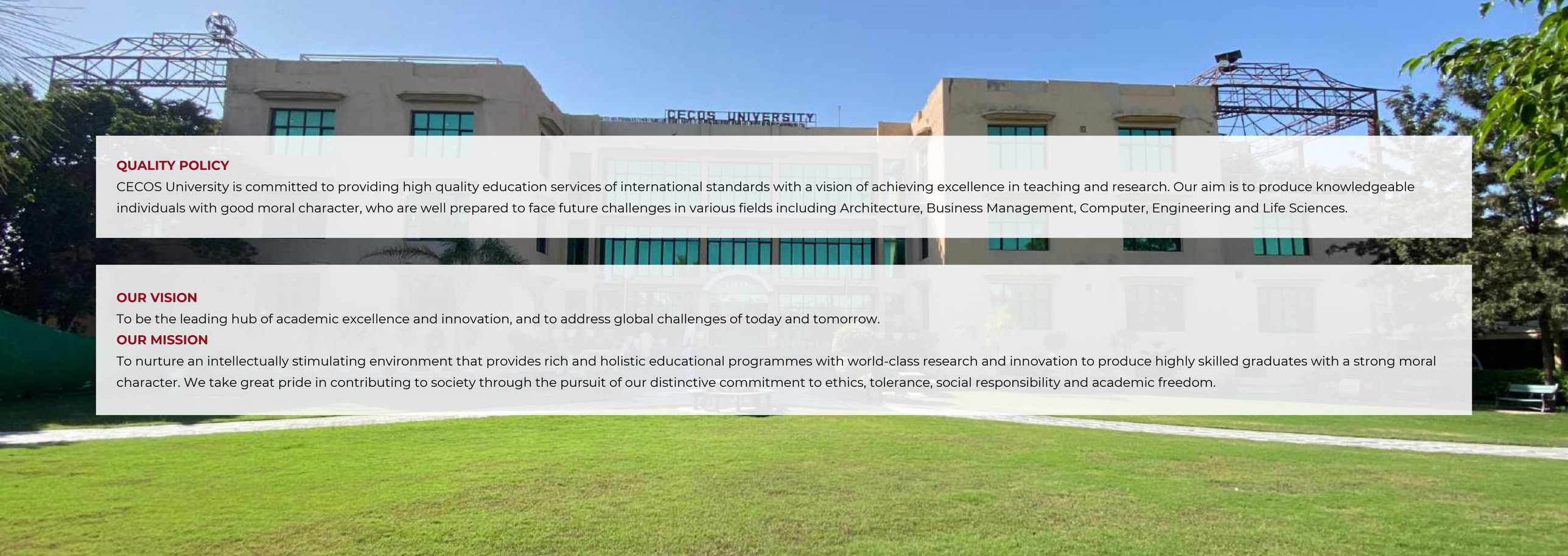
Inspire the World

45+
DEGREE PROGRAMS

42K+
GLOBAL ALUMNI COMMUNITY

3500+
STUDENTS ENROLLED

90%+
HEC QUALITY SCORE 23-24



QUALITY POLICY

CECOS University is committed to providing high quality education services of international standards with a vision of achieving excellence in teaching and research. Our aim is to produce knowledgeable individuals with good moral character, who are well prepared to face future challenges in various fields including Architecture, Business Management, Computer, Engineering and Life Sciences.

OUR VISION

To be the leading hub of academic excellence and innovation, and to address global challenges of today and tomorrow.

OUR MISSION

To nurture an intellectually stimulating environment that provides rich and holistic educational programmes with world-class research and innovation to produce highly skilled graduates with a strong moral character. We take great pride in contributing to society through the pursuit of our distinctive commitment to ethics, tolerance, social responsibility and academic freedom.

President's Message

Witnessing significant global economic changes, the educated youth plays a vital role to develop our country's economy for which higher education institutions must continue to provide highly talented human resources. CECOS University, with its qualified staff possessing vast experience and knowledge, is playing a pivotal role in the production of skilled and qualified graduates. As a private sector university, CECOS complements government efforts to meet education demands, especially in under-developed areas, prioritizing uncompromising quality. Our focus remains on improving overall education standards and creating a unique educational environment with modernized management, achieving technological excellence, and upholding standards with accountability to The Almighty Allah.

Engr. Muhammad Tanveer Javed

Vice President's Message

At CECOS, we have always believed that education should be more than just a path to a degree, it should be a journey of discovery, purpose and growth. Our vision is to see CECOS lead that journey not just for individuals but for Pakistan as a whole. Our goal is to see CECOS evolve into a place where ideas are nurtured, where students feel seen and supported and where learning is deeply connected to the world outside our walls. Whether it's through strong industry partnerships, exposure to emerging fields or the space to simply explore one's potential, we want to give every student the opportunity to thrive. To all those considering joining us we welcome you with open arms and high hopes. CECOS is growing, changing, and pushing forward and we would love for you to be a part of this journey.

Engr. Sohaib Tanveer

Vice Chancellor's Message

I feel honored to welcome you on behalf of CECOS University of IT & Emerging Sciences, which has evolved into one of the region's leading private sector higher educational institutions. The University offers an excellent learning environment for students in its purpose-built campus that houses air-conditioned classrooms, well-equipped laboratories, and library facilities. CECOS University is a leading private higher education institution with purpose built campus. The university aims to produce graduates who are knowledgeable, honest, tolerant, and highly socially responsible. We are proud of our commitment to widening participation, world-leading research and public and private sector collaborations.

Prof. Dr. Muhammad Mohsin Khan

Registrar's Message

As the University Registrar, I welcome you to CECOS University on behalf of the community. Our multi-disciplinary University provides an excellent environment for learning, research, and innovation.

We empower students with knowledge-based, quality education in a holistic manner. Our Career Development Centre guides students toward future career paths. We assure you our best service and cooperation. But remember, this is your time to shine.

Wing Commander (R) Khurshid Qasim Marwat

Dean Student Affairs Message

Welcome to the office of student affairs, where your journey toward academic success, personal growth, and meaningful connections begins! At the Office of Student Affairs, we are dedicated to supporting and empowering you navigate this exciting chapter of your life.

We encourage you to stop by our office, explore the resources available to you, and get involved in the vibrant life of our university. This is your campus, your community, and your home away from home.

Welcome to the start of an incredible journey!

Dr. Nudrat Aamir

Dean Graduate Studies Message

At CECOS University, we take pride in adopting the Outcome Based Education (OBE) system, focusing on measuring student performance through knowledge, skills, and attitudes. Our engineering programs follow international standards, allowing graduates to be recognized globally. With highly qualified faculty, we aim to prepare future leaders who can tackle technical challenges at local, national and international levels.

Join us at CECOS University for an educational journey that will equip you for a rewarding career in serving the nation with honor and dignity.

Prof. Dr. Zia Ullah Shah

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Engr. Muhammad Tanveer Javed
President

Engr. Sohaib Tanveer
Vice President

Dr. Muhammad Mohsin Khan
Vice Chancellor

Wg Cdr (R) Khurshid Qasim Marwat
Registrar

Prof. Dr. Irfan Ullah
Dean - Faculty of Engineering & Architecture

Dr. Shiraz Khan
Dean - Faculty of Computing & Management Sciences

Prof. Dr. Fazal Subhan
Dean - Faculty of Life Sciences

Col Ashfaq Ahmad (R)
Director Welfare

Mr. Abdul Hanan
Director ORIC

Dr. Kiran Raheel
Director QEC

Muhmmad Imran
Director Finance (Acting)

Mr. Muhammad Aamir Aziz
Controller of Examinations

Mr. Ashok Kumar
Deputy Registrar, Establishment / Director Admission

Mr. Muhammad Rauf
Deputy Registrar, Academics

Mr. Muhammad Amjad
Deputy Controller of Examinations

Mr. Muhammad Imran
Deputy Controller of Examinations

Major. (R) Noor Muhammad
Deputy Controller of Examinations

Muhammad Azam Farooq
Advisor CEED

Engr. Zia-ur-Rehman
Manager Admin & Works

Engr. Saima Hassan
Manager, Human Resource

Umer Mehmood
Manager Marketing & Communication

Muhammad Akif
Manager CDC

Syeda Yumna Kamran
Manager CEED

Prof. Dr. Muhammad Tariq Bashir
HOD, Civil Engineering

Dr. Azhar Qazi
HOD, Electrical Engineering

Prof. Dr. Muhammad Iqbal
HOD Mechanical Engineering

Ar. Adnan Ahmad Khan
HOD, Architecture

Engr. Faizan Fraeed
Academic Coordinator, Departmnet of Civil Engineering

Dr. Zaheer Farooq
Academic Coordinator, Department of Electrical Engineering

Engr. M. Irfan Khan
Academic Coordinator, Department of Mechanical Engineering

Ar. Sehrish Ghani
Academic Coordinator, Department of Architecture

Dr. Maryam Mahsal
HOD Computer Science

Dr. Muhmmad Aleem
HOD, Management Sciences

Dr. Nudrat Aamir
HOD, Basic Sciences & Humanitie

Dr. Fazal Subhan
HOD, Pharmacy

Mr. Waqas Nouman Siddiqui
Program Manager Department of Computer Science

Mr. Bashir Akbar
Program Manager Department of Management Sciences

Miss. Faiza
Program Manager Department of Basic Sciences

Miss Sana Gul
Program Manager Department of Pharmacy

Mr. Tauseeq ur Rehman
Program Manager Department of Computer Science

Prof. Dr. Zia Ullah Shah
HOD, Allied Health Sciences

Dr. Muhmmad Shahid
HOD Integrative Biosciences

Hina Ajmal
HOD, Nursing

Mr. Abdullah
Academic Coordinator, Department of Allied Health Sciences

Miss Mushkbar fatima
Academic Coordinator, IIB

Mr. Yasir
Academic Coordinator Department of Nursing

ADMINISTRATION

Engr. Muhammad Tanveer Javed
President, CECOS University

Engr. Sohaib Tanveer
Vice President, CECUS University

Dr. Muhammad Mohsin Khan
Vice Chancellor, CECOS University

Justice (R) Muhammad Ayub Khan
Peshawar High court

Dr. Mukhtar Ahmed
Chairman Higher Education Commission

Dr. Lutfullah Kakakhel
Former Vice Chancellor, Kohat University of Science & Technology, Kohat

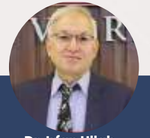
Dr. Saeed Mahfooz
Professor Computer Science Department, Uop

Commander (R) Jamshed Sayul
Former President, Sarhad Chamber of Commerce

Dr. Akif Khan
Managing Director, KP Information Technology Board

Dr. Razia Sultana
Shaheed Banazir Bhutto Women University, Peshawar

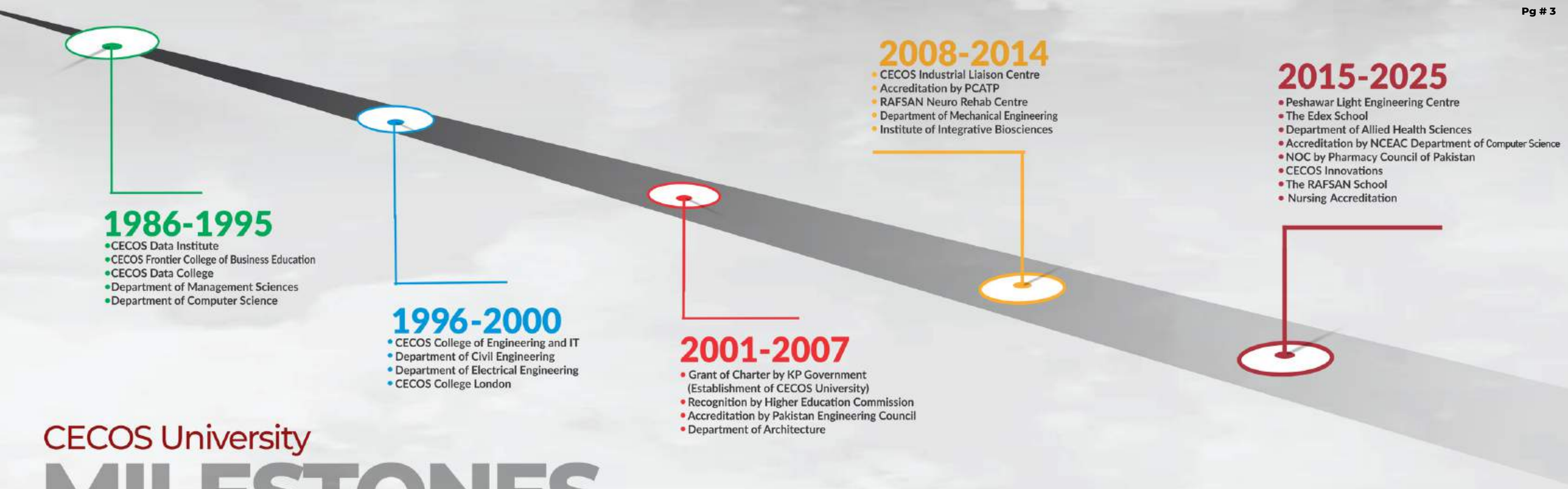
(Nominee of Governor, Khyber Pakhtunkhwa)



Dr. Irfan Ullah
Dean, Faculty of Engineering

Mr. Khurshid Qasim Marwat
Registrar, CECOS University
Secretary, BOG

BOARD OF GOVERNORS



1986-1995

- CECOS Data Institute
- CECOS Frontier College of Business Education
- CECOS Data College
- Department of Management Sciences
- Department of Computer Science

1996-2000

- CECOS College of Engineering and IT
- Department of Civil Engineering
- Department of Electrical Engineering
- CECOS College London

2001-2007

- Grant of Charter by KP Government (Establishment of CECOS University)
- Recognition by Higher Education Commission
- Accreditation by Pakistan Engineering Council
- Department of Architecture

2008-2014

- CECOS Industrial Liaison Centre
- Accreditation by PCATP
- RAFSAN Neuro Rehab Centre
- Department of Mechanical Engineering
- Institute of Integrative Biosciences

2015-2025

- Peshawar Light Engineering Centre
- The Edex School
- Department of Allied Health Sciences
- Accreditation by NCEAC Department of Computer Science
- NOC by Pharmacy Council of Pakistan
- CECOS Innovations
- The RAFSAN School
- Nursing Accreditation

CECOS University
MILESTONES

Are you looking for an institution that combines academic excellence with a commitment to holistic student growth? Look no further than CECOS University. With a wide range of undergraduate and graduate programs. CECOS offers the academic rigor necessary to succeed in today's job market. The institution places equal importance on creating a welcoming and inclusive campus culture that supports students' personal growth, with extracurricular activities and community service opportunities aimed at developing well-rounded individuals.

If you're looking for a university experience that will help you achieve your career goals while also fostering personal development, CECOS Univeristy is the perfect choice.

WHY CECOS UNIVERSITY?

PKR 270 Million
Scholarships disbursal during last 5 years

45+
Degree Programs

200+ Faculty
with National & International Degrees

2600
Students Enrolled

40+
State of the Art Labs

42000+
Alumni Community

20+
Students Societies

1000+
Research Papers published

63 %
Graduates had internships as students

HEC-YPR 2022-23 Quality Assurance Report
CECOS SECURED 90.05% MARKS

University societies are entirely student-run and dedicated to keeping their peers informed about important issues, while also organising a wide range of events and activities available to all students on the campus. These societies often engage in charitable events & work voluntarily to give back to the community, providing ample opportunities for students to make a difference and help others.

- CECOS Entrepreneurial and Startup Initiatives Society
- CECOS Health & Physical Society
- CECOS Quran Society
- CECOS Media Club
- CECOS Literacy & Acting Society
- CECOS Sustainable Community Service Society
- CECOS Better World Society
- CECOS Art & Heritage Society
- CECOS Blood Donar Society
- CECOS Sports Society
- CECOS Adventure Club
- YPDC CECOS Chapter

CECOS STUDENTS

SOCIETIES







ACHIEVEMENTS

Positions in Workshop

CECOS University won 1st, 3rd & 4th at Hazara University's facade design workshop, led by Asst. Prof. Ar. Awais Saeed Agha, excelling among 12 schools with climate-smart designs.

Runner-Up Zindagi Prize

CECOS students Yaseen, Nouman, Osama, and Fawad secured the Runner-Up spot at GIKI's Zindagi Prize, standing out among 70 universities highlighting CECOS' dedication to innovation and entrepreneurial excellence.

1st Pakistani Institute to Participate & Win at iGEM

CECOS University, the first Pakistani team at iGEM, earned:

- Bronze Medal in 2016
- Silver Medal in 2017
- Competing against 300 global teams in Boston.

Young Scientist at XPANSE 2024

Rijma Khan, a 2020 CECOS alumna, was named one of the Top 10 Young Scientists at XPANSE 2024 in Abu Dhabi, presenting her master's research.

IRTIQA'24

Architecture students at GIKI shined at IRTIQA'24 by Naqsh Society. Sana Saeed won Best Delegation, Ghulam Fatima was Best Director (Mime), and Huzefa Sadozai topped Fine Art—reflecting our artistic excellence.

CAPSTONE EXPO 2024

At the FYDP Exhibition in Peshawar, CECOS secured:

- 1st Prize: Modular RC Plane (Supervisor: Engr. M. Irfan Khan)
- 2nd Prize: Smart IV & Vein Detector (Supervisor: Engr. M. Owais Awan)
- Among 82 projects from 20 universities.

1st Position | Venture Contest by IPPUS

AsTechSolutions, founded by CECOS alumnus Mr. Abdullah Hidayatullah, secured 1st place at the prestigious New Venture Contest by IPPUS, held at UET Lahore.

Kalam Robo Tec 2023

Electrical and Mechanical Engineering students, led by Engr. Abdul Subhan and Engr. Ali Mujtaba Durrani, participated in the national robotics competition.
Team Venom from Electrical Engineering secured 2nd place in the Sumo Wrestling event among 18 teams.

Student Shines at ICHR-23

At the International Conference on Health Research (ICHR-23), organized by RCD with CECOS, KMU, and HITEC, Abdul Ahad (Pharmacy, 6th Semester) secured 2nd place in the Best Poster Presentation and received a shield from the President of Pakistan.

Shark Tank Pakistan

CECOS University alumnus-led startup, Digital Lockers, secured PKR 1 million investment on Shark Tank Pakistan. The venture impressed investors with its innovative approach to digital security, showcasing the entrepreneurial spirit nurtured at CECOS.

Launch of HistoVault v1

CECOS-RMI Lab launched HistoVault v1, a deep learning model and histopathology dataset, led by Dr. Faisal Khan. The event, supported by HEC's NRPU grant, aims to revolutionize cancer diagnostics in Pakistan.

SESSION & SEMINAR

EVENTS


VISITS & TRIPS


ACTIVITIES
SCIE-TECH 2024

A day of pride and celebration for our graduates!
The Convocation 2024, held at Shiraz Arena, was graced by our esteemed Chief Guest Prof. Dr. M. Qasim Jan (Former Minister of Higher Education), who congratulated the students on their remarkable achievements and inspired them toward a bright future.
Degrees, gold medals, and awards made the day truly memorable. We were proud of our students, Their parents and faculty for making this success possible.

CECOS 2025

CONVOCATION

FACILITIES

LIBRARIES

CECOS University features two well-curated libraries offering a wide range of books, journals, and digital resources. The central library, equipped with modern technology, provides access to online databases and research tools, supporting academic excellence and exploration.

CAFETERIA

CECOS University features three well-maintained cafeterias offering affordable, delicious refreshments. These vibrant spaces serve as social and intellectual hubs, where students relax, connect, and exchange ideas in a lively & welcoming environment.

TRANSPORT

CECOS University offers a reliable transportation system for students, faculty, and staff, ensuring easy and efficient commuting. A nearby BRT stop further enhances accessibility to and from the campus.

HOSTELS

CECOS University offers well-equipped hostels to accommodate students from across the country. With comfortable rooms, common areas, and essential amenities, to ensure a supportive, home-like environment that promotes academic and personal growth.

Laboratories

CECOS University proudly offers state-of-the-art laboratories across its Engineering, Pharmacy, and Nursing departments. These labs are fully equipped with cutting-edge technology and modern instruments, providing students with an exceptional environment for hands-on learning, practical experimentation, and innovative research. By simulating real-world scenarios and clinical settings, these facilities ensure that students gain the skills and experience needed to excel in their respective fields.

FACULTY OF

ENGINERING & ARCHITECTURE

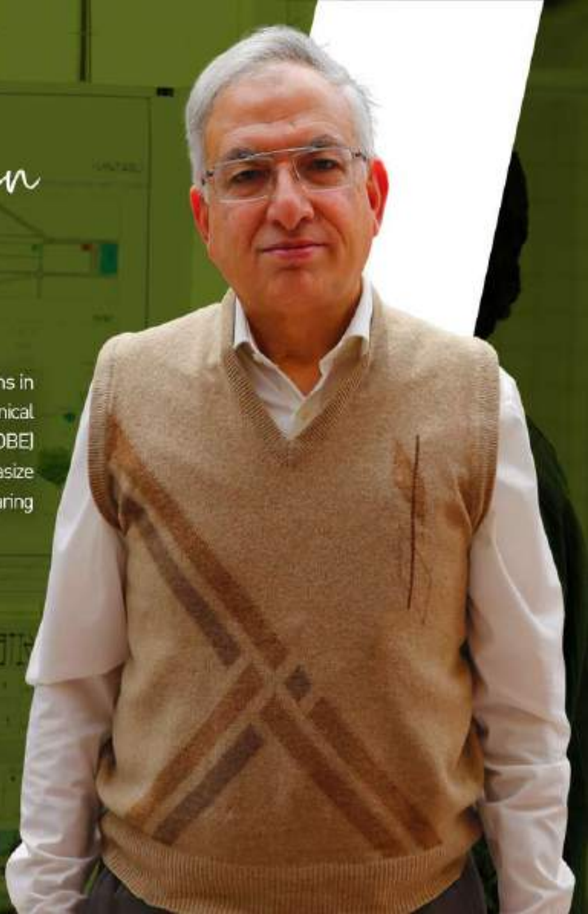
DEPARTMENTS

- Department of Civil Engineering
- Department of Electrical Engineering
- Department of Mechanical Engineering
- Department of Architecture

Message From the Dean

CECOS University invites aspiring individuals to explore its forward-thinking programs in Engineering and Architecture. With a distinguished legacy of delivering quality technical education, we are proud of our implementation of the Outcome-Based Education (OBE) system and accreditations from relevant professional councils. Our programs emphasize the development of communication, analytical, and entrepreneurial skills, preparing students for meaningful careers grounded in integrity and excellence.

Prof. Dr. Irfan Ullah
PhD Mechanical Engineering, University of Michigan, USA



DEPARTMENT OF

CIVIL ENGINEERING

PROGRAMS OFFERED

- B.Sc Civil Engineering
- B.Sc Civil Engineering Technology
- MS Civil Engineering
- Master of Civil Technology
- Ph.D Civil Engineering

MISSION STATEMENT

To serve the engineering profession by offering high quality education to create professionals and contribute towards society by providing innovative solutions with focus on research in Civil and allied disciplines.

Message From The Head Of Department

The Department of Civil Engineering at CECOS University offers a highly competitive and well-regarded program featuring state-of-the-art laboratories, a low student-to-faculty ratio, and hands-on learning through strong industry collaborations. Through active student chapters of professional societies and a commitment to sustainable development, our students are equipped with the technical expertise and leadership skills needed to make a positive impact on society and the environment. Embark on your journey to a successful civil engineering career with us.

Prof. Dr. Muhammad Tariq Bashir
Ph.D Civil Engineering, UMP, Malaysia

Prof. Dr. Muhammad Tariq Bashir
Head of Department / Professor
Ph.D Civil Engineering,
UPM, Malaysia

Dr. M. Ali Sikandar
Professor
Ph.D Structural Engineering
Hanyang University, Seoul, Korea

Engr. Qaiser Jamal
Assistant Professor
M.Sc. Structure Engineering
UET, Peshawar

Engr. Tayyaba Hamid
Lecturer
M.Sc Water Resource
UET, Peshawar

Engr. Sareer Ahmad
Lecturer
M.Sc M.Sc. Water Resource Engineering & Management,
GIKI Sawabi

Engr. Asad Jamil
Lecturer
B.Sc Civil Engineering
UET, Peshawar

Engr. Sabila
Lab Engineer
B.Sc Civil Engineering
UET Peshawar Jalozai Campus

Engr. M. Haseeb Khan
Lab Engineer
B.Sc Civil Engineering
UET Peshawar

Prof. Dr. Bazid Khan
Professor
Ph.D Structural Engineering
Dokuz Eylul University, Izmir, Turkey

Dr. Beenish Jehan Khan
Professor
Ph.D Geotechnical Engineering,
CECOS University

Engr. Muhammad Hassan
Assistant Professor
B.Sc Mechanical Engineering
UET Peshawar

Engr. Muhammad Inam Abbas
Lecturer/Exam Coordinator
MS Structural Engineering
CECOS University

Engr. Muhammad Waleed Sarwar
Lecturer
MS. Structure Engineering
CECOS University

Engr. Zeeshan Umar
Lecturer
M. Sc. Structural Engineering
UET Peshawar

Engr. Muhammad Waqas
Lecturer
BE Civil Engineering
M.Sc. Construction Management
UET, Peshawar

Engr. Muhammad Taimur Shah
Lab Engineer
B.Sc Civil Engineering
UET Peshawar

Col.(R) Engr. Marwat Khan
Professor
M.Sc. Structural Engineering
UET Lahore

Dr. Bakht Zamin
Professor
Ph.D Geotechnical Engineering
CECOS, University

Dr. Rakhshanda Rehman
Assistant Professor
Ph.D Environmental Engineering
UET Peshawar

Engr. Mohammad Dawood
Lecturer
M. Sc. Environmental Engineering
UET Peshawar

Engr. Kashif Ali Khan
Lecturer
M.Sc. Structural Engineering
CECOS University

Engr. Faizan Farid
Lecturer
M. Sc. Structural Engineering
Iqra National University, Peshawar

Engr. Amna Khan
Lecturer
Msc.
UET Peshawar

Engr. Ijaz Ahmad
Lab Engineer
B.Sc Civil Engineering
UET Peshawar

FACULTY MEMBERS OF

CIVIL ENGINEERING

CIVIL ENGINEERING LABORATORIES

- Concrete Lab
- Soil Mechanics Lab
- Transportation Engineering Lab
- Hydraulics & Fluid Mechanics Lab
- Material Testing Lab
- Surveying Lab
- Engineering Mechanics Lab
- Environmental Engineering Lab
- Computer Lab
- Drawing Hall

CURRICULUM OF B.Sc CIVIL ENGINEERING

Semester-I

Course Code	Course Title	Credit Hours
CE-103	Engineering Drawing	1+1
CE-102	Civil Engineering Materials	1+1
CS-110	Applications of Information & Communication Technologies	2+1
ENG-101	Functional English	3+0
MATH-110	Quantitative Reasoning-I	3+0
SS-203	Ideology and Constitution of Pakistan	2+0
SS-102	Pakistan Studies	2+0
SS-113	Understanding of Holy Quran-I	0+1
Total Credit Hours		14+4

Semester-II

Course Code	Course Title	Credit Hours
CE-101	Engineering Mechanics	2+1
NS-102	Applied Physics and Electro-Mechanical Fundamentals	2+1
ENG-102	Expository Writing	3+0
MATH-111	Quantitative Reasoning-II	3+0
SS-101	Islamic Studies	2+0
CS-109	Computer Programming	2+1
SS-114	Understanding of Holy Quran-II	0+1
Total Credit Hours		14+4

Semester-III

Course Code	Course Title	Credit Hours
CE-104	Surveying-I	2+1
CE-206	Civil Engineering Drawing and Graphics	1+1
CE-211	Mechanics of Solid-I	2+1
CE-212	Concrete Technology	1+1
SS-205	Engineering Economics	2+0
MATH-106	Calculus and Analytical Geometry	3+0
SS-204	Civics and Community Engagement	2+0
Total Credit Hours		13+4

Semester-IV

Course Code	Course Title	Credit Hours
CE-121	Engineering Geology and Seismology	2+0
CE-207	Surveying-II	2+1
CE-213	Structural Analysis-I	3+0
CE-231	Fluid Mechanics-I	3+1
CE-317	Mechanics of Solids-II	2+1
MATH-108	Linear Algebra and Differential Equations	3+0
Total Credit Hours		15+3

Semester-V

Course Code	Course Title	Credit Hours
CE-351	Quantity and Cost Estimation	2+1
CE-332	Fluid Mechanics-II	3+1
MATH-202	Numerical Analysis	3+0
CE-314	Reinforced Concrete Design-I	3+0
CE-315	Structural Analysis-II	3+0
CE-341	Environmental Engineering-I	2+0
Total Credit Hours		16+2

Semester-VI

Course Code	Course Title	Credit Hours
CE-222	Geotechnical Engineering-I	3+1
CE-316	Reinforced Concrete Design-II	3+1
CE-409	Geo-Informatics	1+1
CE-442	Environmental Engineering-II	2+1
CE-361	Transportation Engineering-I	3+0
MGT-246	Introduction to Entrepreneurship	2+0
Total Credit Hours		14+4

Semester-VII

Course Code	Course Title	Credit Hours
MGT-333	Project Management	2+0
CE-423	Geotechnical Engineering-II	3+1
CE-433	Hydraulics Engineering	2+0
CE-462	Transportation Engineering-II	3+1
CE-402	Modelling and Simulation	1+1
CE-154	Occupational Health And Safety	1+0
CE-498	Final Year Design Project-I	0+3
Total Credit Hours		12+6

Semester-VIII

Course Code	Course Title	Credit Hours
CE-408	Architecture and Town Planning	2+0
CE-418	Steel Structures	3+0
CE-434	Irrigation Engineering	2+0
CE-435-L	Hydraulics and Hydrology (Lab)	0+1
CE-335	Engineering Hydrology	2+0
CE-352	Construction Engineering	2+0
CE-499	Final Year Design Project-II	0+3
Total Credit Hours		11+4

Total Credit Hours = 140

Fact File

Duration: Four Years

Eligibility: Minimum 60% marks in Intermediate or equivalent with Physics, Chemistry and Mathematics or DAE in relevant field.
The applicants with minimum 60% marks in Intermediate with Physics, Chemistry and Biology (Pre Medical) are also eligible with remedial course of Mathematics to be taught in Zero semester.
The applicants with minimum 60% marks in Intermediate with Physics, Mathematics and Computer Science are also eligible with Chemistry to be studied and passed as a remedial course in 1stsemester after admission.
Appearance in entrance test conducted by ETEA or any other testing body approved by PEC.

PROGRAM EDUCATIONAL OBJECTIVE (PEOS) OF CIVIL ENGINEERING

PEO 1: Demonstrating a blend of engineering and professional skills in Civil Engineering and allied disciplines.

PEO 2: Performing ethically and socially in a sustainable and responsible manner, as an individual and team member.

PEO 3: Striving to enhance learning, research, and managerial skills.

PROGRAM LEARNING OUTCOMES (PLOS) OF CIVIL ENGINEERING

PLO 1: **Engineering Knowledge:** Apply knowledge of mathematics, natural science, engineering fundamentals and Engineering specialization to the solution of complex engineering problems (WK-1-WK-4).

PLO 2: **Problem Analysis:** Identify, formulate, conduct research literature, and analyse complex Engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences (WK-1-WK-4).

PLO 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 (WK-5).

PLO 4: **Investigation :** Conduct investigation of complex Engineering problems using research-based knowledge and research methods, including design of experiments, analysis and interpretation of data, and synthesis of information to provide valid conclusions (WK-8).

PLO 5: **Tool Usage:** Create, select and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling, to complex Engineering problems, with an understanding of the limitations (WK-2 and WK-6).

PLO 6: **The Engineer and the World:** Analyze and evaluate sustainable development impacts to society, the economy, sustainability, health and safety, legal frameworks, and the environment while solving complex engineering problems (WK-1, WK-5, and WK-7).

PLO 7: **Ethics:** Apply ethical principles and commit to professional ethics and norms of engineering practice and adhere to relevant national and international laws. Demonstrate an understanding of the need for diversity and inclusion (WK-9).

PLO 8: **Individual and Collaborative Team Work:** Function effectively as an individual, and as a member or leader in diverse and inclusive teams and in multi-disciplinary, face-to-face, remote and distributed settings (WK-9).

PLO 9: **Communication:** Communicate effectively and inclusively 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, and make effective presentations, taking into account cultural, language, and learning differences (WK-1 and WK-9).

PLO 10: **Project Management and Finance:** Demonstrate knowledge and understanding of engineering management principles and economic decision-making and apply these to one's own work, as a member and leader in a team, to manage projects in multidisciplinary environments (WK-2 and WK-5).

PLO 11: **Lifelong Learning:** Recognize the need for, and have the preparation and ability for i) independent and life-long learning ii) adaptability to new and emerging technologies and iii) critical thinking in the broadest context of technological change (WK-8 and WK-9).

CURRICULUM OF B.Sc CIVIL ENGINEERING TECHNOLOGY

Semester-I

Course Code	Course Title	Credit Hours
MATH-106	Calculus and Analytical Geometry	3+0
CS-110	Applications of Information and Communication Technologies	2+1
ENG-101	Functional English	3+0
SS-101	Islamic Studies	2+0
SS-204	Civics and Community Engagement	2+0
CT-111	Concrete Technology	2+2
SS-113	Understanding of Holy Quran-I	0+1
MATH-100	Introduction to Mathematics*	0+0
Total Credit Hours		14+4

Semester-II

Course Code	Course Title	Credit Hours
CT-104	Materials and Methods of Construction	2+1
ENG-103	Communication Skills	2+1
CT-108	Civil Engineering drawing, Drafting & Interpretation	1+2
MATH-108	Linear Algebra and Differential Equations	3+0
NS-101	Applied Physics	2+1
NS-111	Applied Chemistry	2+1
SS-114	Understanding of Holy Quran-II	0+1
Total Credit Hours		12+7

Semester-III

Course Code	Course Title	Credit Hours
CT-205	Introduction to Architecture & Town Planning	2+0
SS-102	Pakistan Studies	2+0
SS-107	Professional Ethics	2+0
CT-243	Environmental Technology	1+1
CT-231	Fluid Mechanics	2+1
CT-212	Mechanics of Solids	2+1
SS-205	Engineering Economics	2+0
Total Credit Hours		13+3

Semester-IV

Course Code	Course Title	Credit Hours
CT-262	Transportation and Highway Technology	2+2
CT-102	Surveying	1+2
CT-221	Soil Mechanics	1+2
CT-213	Theory of Structures	3+0
ENG-102	Expository Writing	3+0
SS-203	Ideology and Constitution of Pakistan	2+0
Total Credit Hours		12+6

Semester-V

Course Code	Course Title	Credit Hours
CT-332	Hydrology	1+1
CT-318	Reinforced and Prestressed Concrete	2+1
CT-353	Construction Equipment & Jobsite Practices	1+1
CT-309	Computer Aided Drawing & Building Information Modelling	1+2
CT-325	Geotechnical Investigation & Foundations	1+1
CT-371	Electro-Mechanical Technology	2+0
CT-498	Project Part -I	0+3
Total Credit Hours		8+9

Semester-VI

Course Code	Course Title	Credit Hours
CT-324	Geology	1+1
CT-334	Irrigation Technology	3+0
CT-317	Construction of Steel Structures	2+1
CT-354	Quantity Surveying and Estimation	1+2
CT-355	Maintenance and Repair of Civil Works	1+1
MGT-246	Introduction to Entrepreneurship	2+0
CT-499	Project Part-II	0+3
Total Credit Hours		10+8

Semester-VII

Course Code	Course Title	Credit Hours
CT-472	GIS and remote Sensing	2+1
CT-473	Design Assessment Tools	1+1
CT-456	Building Codes and Compliance	3+0
CT-474	Smart Technologies for Facilities Management	2+1
CT-434	Drainage Technology	3+0
CT-441	Water Supply Systems	1+1
Total Credit Hours		12+4

Semester-VIII

Course Code	Course Title	Credit Hours
CT-400	Supervised Industrial Training	0+16
Total Credit Hours		0+16

Total Credit Hours = 138

Fact File

Duration: Four Years

Eligibility: Minimum 50% marks in intermediate or equivalent with Physics, Chemistry and Mathematics or DAE in relevant field.
The applicants with minimum 60% marks in Intermediate with Physics, Chemistry and Biology (Pre Medical) are also eligible with remedial course of Mathematics to be taught in 1st semester.
Passing aptitude test of CECOS.

PROGRAM EDUCATIONAL OBJECTIVE (PEOS) OF CIVIL ENGINEERING TECHNOLOGY

PEO 1: Graduate demonstrating a blend of engineering technology and professional skills in Civil Technology and allied disciplines.

PEO 2: Graduate performing ethically and socially in a responsible manner, as an individual and team member.

PEO 3: Graduate striving to enhance learning and practicing skills.

PROGRAM LEARNING OUTCOMES (PLOS) OF CIVIL ENGINEERING TECHNOLOGY

PLO 1: **Engineering KnowledgeKnowledge (SA1):** An ability to apply knowledge of mathematics, natural science, Engineering Technology fundamentals and Engineering Technology specialization to defined and applied Engineering Technology procedures, processes, systems or methodologies.

PLO 2: **Problem Analysis(SA2):** An ability to Identify, formulate, research literature and analyze broadly-defined Engineering Technology problems reaching substantiated conclusions using analytical tools appropriate to the discipline or area of specialization.

PLO 3: **Design/Development of Solutions(SA3):** An ability to design solutions for broadly- defined Engineering Technology problems and contribute to the design of systems, components or processes to meet specified needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations.

PLO 4: **Investigation (SA4):** An ability to conduct investigations of broadly-defined problems; locate, search and select relevant data from codes, data bases and literature, design and conduct experiments to provide valid conclusions.

PLO 5: **Modern Tool Usage (SA5):** An ability to Select and apply appropriate techniques, resources, and modern technology and IT tools, including prediction and modelling, to broadly-defined Engineering Technology problems, with an understanding of the limitations.

PLO 6: **The Engineering Technologist and Society (SA6):** An ability to demonstrate understanding of the societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to Engineering Technology practice and solutions to broadly defined Engineering Technology problems.

PLO 7: **Environment and Sustainability (SA7):** An ability to understand and evaluate the sustainability and impact of Engineering Technology work in the solution of broadly defined Engineering Technology problems in societal and environmental contexts.

PLO 8: **Ethics (SA8):** Understand and commit to professional ethics and responsibilities and norms of Engineering Technology practice

PLO 9: **Individual and Team Work (SA9):** An ability to Function effectively as an individual, and as a member or leader in diverse teams.

PLO 10: **Communication (SA10):** An ability to communicate effectively on broadly defined Engineering Technology activities with the Engineering Technologist community and with society at large, by being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PLO 11: **Project Management (SA11):** An ability to demonstrate knowledge and understanding of Engineering Technology management principles and apply these to one's own work, as a member or leader in a team and to manage projects in multidisciplinary environments.

PLO 12: **Lifelong Learning (SA12):** An ability to recognize the need for, and have the ability to engage in independent and life-long learning in specialist Engineering Technologies.

MS CIVIL ENGINEERING

The degree program is of a 2 year duration and spans four (16-18 week) semesters. Total credit hours for the program are 32 (i.e., 26 credit hours of coursework plus 6 credit hours of thesis and research in case of MS by research Plan-A).

In Year-II, selected students will embark on a thesis project (i.e. on basis of their CGPA, as well as synopsis defence);
others will have to opt for the non-thesis track (i.e. all 32 credit hours derived from coursework Plan- B). Students with unsatisfactory performance in their thesis research will be shifted to the non-thesis track.

SCHEME OF STUDIES

MS Students must accumulate the requaired 30 credit hours as per the following distribution:

Plan-A

Category	Credit Hours
Core Subjects	17
Elective Subjects	09
Thesis	06
Total Credit Hours	32

Plan-B

Category	Credit Hours
Core Subjects	17
Elective Subjects	09
Additional Subjects	06
Total Credit Hours	32

M.TECH CIVIL ENGINEERING

The Masters in Technology in Civil Engineering, students are required to complete a minimum of 24 credit hours of course work, followed by 6 credit hours of industrial training

PHD CIVIL ENGINEERING

PhD is a 3 year degree program, during which the scholar must successfully complete 56 credit hours (20credit hours course work and 36 credit hours research) beside other requirements as stipulated by the HEC and the University rules & regulations.

S.No	Mater Degree Specialization	Relevant Bachelor Degrees
1	Structure Engineering	Building Engineering, Transportation Engineering
2	Geotechnical Engineering	Geological Engineering, Agriculture Engineering, Mining Engineering
3	Construction Engineering & Management	Geological Engineering, Mining Engineering, Building Engineering, Transportation Engineering
4	Water Resources & Environmental Engineering	Environmental Engineering, Agricultural Engineering, Chemical Engineering, Water Resources
		Engineering, Urban Infrastructure Engineering

MS/PhD CIVIL ENGINEERING

Curriculum for MS/PhD Civil Engineering Program

STRUCTURE ENGINEERING

Core Courses At least seven courses (including compulsory) from this group for MS Program)

Core Courses	Subject	Credit Hours
*	Research Methodology (Compulsory)	3
CE 600	Advanced Structural Analysis (Compulsory)	3
CE 601	Advanced Mechanics of Solids	3
CE 602	Design of RCC Structures (Compulsory)	3
CE 603	Pre-stressed Concrete Theory and Design	3
CE 604	Concrete and Supplementary Cementitious Materials	3
CE 605	Analysis and Design of Masonry Structures	3
CE 606	Structural Dynamics	3
CE 607	Advanced Steel Structures	3
CE 608	Finite Element Methods in Structural Analysis	3
CE 700	Structural Optimization	3
CE 701	Design of Tall Buildings and Space Structures	3
CE 702	Theory of Plate and Shell Structures	3
CE 800	Non Linear Structural Analysis	3
CE 801	Reliability Based Structural Design	3
*	Understanding of Holy Quran–I (Compulsory)	0+1
*	Understanding of Holy Quran–II (Compulsory)	0+1

Elective Courses (A maximum of three subjects from this group for MS Program)

Core Courses	Subject	Credit Hours
EM 605	Engineering Project Management	3
CE 609	Bridge Engineering	3
CE 624	Foundation Engineering	3
CE 626	Dams Engineering-I	3
CE 627	Rock Mechanics	3
CE 628	Pavement Structure and Design	3
CE 631	Materials and Design of Asphaltic Concrete	3
CE 616	Statistical Methods for Engineering Data Analysis	3
CE 670	Design of Hydraulic Structures	3
CE 671	Environmental Impact Assessment	3
CE 687	Climate Change Adaptation and Disaster Risk Reduction	3
CE 688	RS and GIS in Civil Engineering	3
CE 703	Computer Aided Design and Analysis of Structures (Pre. Requisite: CE 608)	3
CE 704	Experimental Stress Analysis	3
CE 705	Special Topics in Structural Engineering	3
CE 706	Earthquake Engineering (Pre-requisite: CE 606)	3
CE 723	Soil Structure Interaction	3
CE 741	Construction Planning, Scheduling & Control	3
CE 802	Infrastructure and Facilities Remediation	3
CE 803	Theory of Elasticity	3
CE 804	Fracture Mechanics of Engineering. Materials	3

MS-Eligibility:

Minimum 16-year education in relevant field with minimum 2.0 CGPA or 60% marks from University / DAI recognized by HEC and accredited by relevant Accreditation body (PEC,)
Qualifying GAT-General Test of CECOS University or any other approved testing body (NTS/ETEA)

PhD Eligibility:

Minimum 18-year Master Degree (Research Based) in relevant field with minimum 3 CGPA from HEC recognized University.
Those who have Completed Master degree by course work will be required to publish one research paper in HEC recognized Journal prior to admissions.

MS/PHD CIVIL ENGINEERING

Curriculum for MS/PhD Civil Engineering Program

WATER RESOURCE AND ENVIRONMENTAL ENGINEERING

Core Courses

At least seven courses (including compulsory) from this group for MS Program)

Core Courses	Subject	Credit Hours
*	Research Methodology (Compulsory)	3
CE 661	Wastewater Engineering, Treatment and Design	3
CE 662	Water Engineering, Treatment and Design (Compulsory)	3
CE 663	Solid Waste Management	3
CE 664	Advanced Fluid Mechanics (Compulsory)	3
CE 665	Graphical Information Systems (GIS) and Remote Sensing (RS) in WREE (Compulsory)	3
CE 667	Fluvial Hydraulics	3
CE 668	Surface water Hydrological Processes	3
*	Understanding of Holy Quran–I (Compulsory)	0+1
*	Understanding of Holy Quran–II (Compulsory)	0+1

Elective Courses (A maximum of three subjects from this group for MS Program)

Core Courses	Subject	Credit Hours
CE 669	Principles of Water and Wastewater Treatment Processes	3
CE 670	Design of Hydraulic Structures	3
CE 671	Environmental Impact Assessment (EIA)	3
CE 672	Air Pollution and Control	3
CE 673	Water Supply and Waste Water Collection Systems	3
CE 674	Environmental Analytical Techniques	3
CE 675	Marine Pollution Monitoring and Control	3
CE 676	Environmental Laws and Policies	3
CE 677	Industrial Waste Water Pollution, Control, and Management	3
CE 678	Sediment Transport	3
CE 679	Groundwater Hydrology	3
CE 761	Hydrological models	3
CE 861	Hydropower Planning and Management	3
CE 862	Membrane Technology for Water and Wastewater Treatment	3

MS-Eligibility:

Minimum 16-year education in relevant field with minimum 2.0 CGPA or 60% marks from University / DAI recognized by HEC and accredited by relevant Accreditation body (PEC,)
Qualifying GAT-General Test of CECOS University or any other approved testing body (NTS/ETEA)

PhD Eligibility:

Minimum 18-year Master Degree (Research Based) in relevant field with minimum 3 CGPA from HEC recognized University.
Those who have Completed Master degree by course work will be required to publish one research paper in HEC recognized Journal prior to admissions.

MS/PHD CIVIL ENGINEERING

Curriculum for MS/PhD Civil Engineering Program

ENVIRONMENTAL ENGINEERING

Core Courses At least seven courses (including compulsory) from this group for MS Program

Core Courses	Subject	Credit Hours
CE 661	Wastewater Engineering, Treatment, and Design (Compulsory)	3
CE 662	Water Engineering, Treatment and Design (Compulsory)	3
CE 663	Solid Waste Management	3
CE 669	Principles of Water and Wastewater Treatment Processes	3
CE 681	Occupational Health and Safety Engineering	3
CE 682	Biological Wastewater Treatment Processes	3
CE 683	Green Engineering Technologies	3
*	Research Methodology (Compulsory)	3
CE 671	Environmental Impact Assessment (EIA)	3
*	Understanding of Holy Quran–I (Compulsory)	0+1
*	Understanding of Holy Quran–II (Compulsory)	0+1

Elective Courses (A maximum of three subjects from this group for MS Program)

Core Courses	Subject	Credit Hours
CE 672	Air Pollution and Control	3
CE 684	Water Quality Modelling	3
CE 685	Chemistry and Biology of Water & Sewage	3
CE 673	Water Supply and Waste Water Collection Systems	3
CE 686	Water Resource Engineering	3
CE 687	Climate Change Adaptation and Disaster Risk Reduction	3
CE 674	Environmental Analytical Techniques	3
CE 675	Marine Pollution Monitoring and Control	3
CE 688	RS and GIS in Civil Engineering	3
CE 689	Ecology and Risk Assessment	3
CE 781	Principles of Environmental Engineering	3
CE 676	Environmental Laws and Policies	3
CE 881	Watershed Management	3
CE 782	Sustainable Urban Infrastructure Planning & Management	3
CE 677	Industrial Waste Water Pollution, Control, and Management	3
CE 783	Anaerobic Wastewater Treatment	3
CE 862	Membrane Technology for Water and Wastewater Treatment	3

MS/PhD CIVIL ENGINEERING

Curriculum for MS/PhD Civil Engineering Program

GEOTECHNICAL ENGINEERING

Core Courses At least seven courses (including compulsory) from this group for MS Program

Course Code	Subject	Credit Hours
*	Research Methodology (Compulsory)	3
CE 621	Advanced Soil Mechanics-I (Compulsory)	3
CE 622	Advanced Soil Mechanics-II (Compulsory)	3
CE 623	Geotechnical Investigation and Instrumentation	3
CE 624	Foundation Engineering	3
CE 625	Earth Pressures and Retaining Structures	3
CE 626	Dams Engineering-I	3
CE 627	Rock Mechanics	3
CE 616	Statistical Methods for Engineering Data Analysis	3
CE 688	RS and GIS in Civil Engineering	3
CE 721	Structural Geology	3
CE 722	Earth Structures	3
CE 821	Dams Engineering-II	3
CE 822	Application of Finite Element Methods in Geotechnical Engineering	3
CE 823	Soil Dynamics (Pre-requisite CE 621)	3
CE 824	Geotechnical Aspects of Earthquake Engineering	3
*	Understanding of Holy Quran–I (Compulsory)	0+1
*	Understanding of Holy Quran–II (Compulsory)	0+1

Elective Courses (of most three subjects from this group for MS Program)

Core Courses	Subject	Credit Hours
CE 604	Concrete and Supplementary Cementitious Materials	3
CE 628	Pavement Structure and Design	3
CE 629	Fundamentals of Applied Geophysics	3
CE 630	Ground Water and Engineering Geophysics	3
CE 631	Materials and Design of Asphaltic Concrete	3
CE 632	Tunneling	3
CE 670	Design of Hydraulic Structures	3
CE 671	Environmental Impact Assessment	3
CE 687	Climate Change Adaptation and Disaster Risk Reduction	3
CE 704	Experimental Stress Analysis	3
CE 723	Soil Structure Interaction	3
CE 725	Application of Information Technology in Geotechnical Engineering	3
CE 726	Under Ground Construction	3
CE 741	Construction Planning, Scheduling & Control	3
CE 742	Construction Methods and Equipment	3
CE 825	Computer Aided Design	3
CE 826	Special Topics in Geotechnical Engineering	3
EM 605	Engineering Project Management	3

MS-Eligibility:

Minimum 16-year education in relevant field with minimum 2.0 CGPA or 60% marks from University / DAI recognized by HEC and accredited by relevant Accreditation body (PEC,)
Qualifying GAT-General Test of CECOS University or any other approved testing body (NTS/ETEA)

PhD Eligibility:

Minimum 18-year Master Degree (Research Based) in relevant field with minimum 3 CGPA from HEC recognized University.
Those who have Completed Master degree by course work will be required to publish one research paper in HEC recognized Journal prior to admissions.

MS CIVIL ENGINEERING

Curriculum for MS/PhD Civil Engineering Program

CONSTRUCTION ENGINEERING & MANAGEMENT

Core Courses At least seven courses (including compulsory) from this group for MS Program)

Core Courses	Subject	Credit Hours
*	Research Methodology (Compulsory)	3
CE 641	Construction Project Administration	3
CE 642	Safety Management in Construction	3
CE 643	Construction Cost Estimation	3
CE 644	Contract Management	3
CE 645	Economic Decision Analysis in Construction	3
CE 646	Supply Chain Management in Construction Industry	3
CE 741	Construction Planning, Scheduling & Control	3
CE 742	Construction Methods and Equipment	3
*	Understanding of Holy Quran–I (Compulsory)	0+1
*	Understanding of Holy Quran–II (Compulsory)	0+1

Elective Courses (A maximum of most three subjects from this group for MS Program)

Core Courses	Subject	Credit Hours
CE 616	Statistical Methods for Engineering Data Analysis	3
CE 671	Environmental Impact Assessment	3
CE 687	Climate Change Adaptation and Disaster Risk Reduction	3
CE 688	RS and GIS in Civil Engineering	3
CE 743	Risk Analysis and Management	3
CE 744	Human Resource Management in Construction	3
CE 745	Building Information Modeling	3
CE 746	Introduction to complex systems and system dynamics	3
CE 747	Construction Claim Management	3
CE 748	Project Evaluation and Feasibility Analysis	3
CE 749	Sustainable Development and Construction	3
CE 750	Public Infrastructure Management	3

MS-Eligibility:

Minimum 16-year education in relevant field with minimum 2.0 CGPA or 60% marks from University / DAI recognized by HEC and accredited by relevant Accreditation body (PEC,)
Qualifying GAT-General Test of CECOS University or any other approved testing body (NTS/ETEA)

PhD Eligibility:

Minimum 18-year Master Degree (Research Based) in relevant field with minimum 3 CGPA from HEC recognized University.
Those who have Completed Master degree by course work will be required to publish one research paper in HEC recognized Journal prior to admissions.

MASTER OF TECHNOLOGY IN CIVIL ENGINEERING

Curriculum for Master of Technology in Civil Engineering Program

STRUCTURAL ENGINEERING

Course Code At least six courses (including compulsory) and Industrial Training from this group for M-Tech Program)

Core Courses	Subject	Credit Hours
CT 601	Structural Lab-1 (Concrete Testing)	3
CT 602	RCC Design	3
CT 603	Structural Workshop	3
CT 604	Concrete Technology	3
CT 605	Strength of Materials / Mechanics of Solids	3
CT 606	Structural Analysis	3
CT 607	Pre-stressed Concrete	3
CT 608	Steel Structures Design	3
CT 701	Earthquake Engineering	3
CT 702	Bridge Engineering	3
CT 703	Advanced Construction Materials &Applications	3
CT 704	Construction Technologies	3
*	Understanding of Holy Quran–I (Compulsory)	0+1
*	Understanding of Holy Quran–II (Compulsory)	0+1
CT 699	Industrial Training / Internship (Compulsory)	6

Elective Courses At maximum of four subjects from this group for M-Tech Program

Core Courses	Subject	Credit Hours
CT 728	Construction Management	3
CT 729	Construction Methods and Equipment	3
CT 705	Computer Application in Structural Technology	3
CT 706	Stability of Structures	3
CT 707	Pavement Materials and Analysis	3
CT 722	Environmental Impact Assessment	3
CT 727	Climate Change Adaptation and Disaster Risk Reduction	3
CT 629	Maps and Geospatial Concepts	3
CT 630	GPS Theory and Design	3
CT 723	Maintenance and Rehabilitation	3

M.Tech -Eligibility:

Minimum 16-year education in B. Tech, (BSc Technology) field with minimum 2.0 CGPA or 60% marks from University / DAI recognized by HEC and accredited by relevant Accreditation body (NTC)
Qualifying GAT-General Test of CECOS University or any other approved testing body (NTS/ETEA)

MASTER OF TECHNOLOGY IN CIVIL ENGINEERING

CONSTRUCTION ENGINEERING & MANAGEMENT

Core Courses

At least six courses (including compulsory) and Industrial Training from this group for M-Tech Program)

Core Courses	Subject	Credit Hours
CT 621	Contract Management	3
CT 622	Construction Project Administration	3
CT 623	Construction Planning, Scheduling and Control	3
CT 624	Construction Cost Estimation	3
CT 625	Supply Chain Management in Construction Industry	3
CT 626	Safety Management in Construction	3
CT 627	Construction Methods and Equipment	3
CT 721	Building Information Modeling	3
CT 722	Environmental Impact Assessment	3
CT 723	Maintenance and Rehabilitation	3
*	Understanding of Holy Quran–I (Compulsory)	0 + 1
*	Understanding of Holy Quran–II (Compulsory)	0 + 1
CT 699	Industrial Training (Compulsory)	6

Elective Courses At maximum of four subjects from this group for M-Tech Program

Core Courses	Subject	Credit Hours
CT 628	Project Management Foundation	3
CT 629	Maps and Geospatial Concepts	3
CT 630	GPS Theory and Design	3
CT 724	Project Management Digital Tools (Primavera P6)	3
CT 725	Management of Flood Hazard	3
CT 726	Fundamentals of GIS and RS in Disaster Management	3
CT 727	Climate Change Adaptation and Disaster Risk Reduction	3

- The candidate requires 32 credit hours by studying minimum of six core subjects (14 Credit hours) including compulsory courses and Industrial Training (06 Credit hours) and maximum of four elective subjects (12 Credit hours).

M.Tech -Eligibility:

Minimum 16-year education in B. Tech, (BSc Technology) field with minimum 2.0 CGPA or 60% marks from University / DAI recognized by HEC and accredited by relevant Accreditation body (NTC)
Qualifying GAT-General Test of CECOS University or any other approved testing body (NTS/ETEA)

POST GRADUATE DIPLOMA

HAZARDS AND DISASTER MANAGEMENT

1st Semester

Course Code	Course Title	Credit Hours
HDM-501	Introduction to Disaster Management	3
HDM-531	Research Methodology in Disaster Management	3
HDM-532	Community Based Disaster Risk Management Approaches	3
HDM-533	Fundamentals of GIS and RS in Disaster Management	3
HDM-598	Project-I	3

2nd Semester

Course Code	Course Title	Credit Hours
HDM-511	Management of Flood Hazard.	3
HDM-512	Climate Change and Disasters	3
HDM-513	Management of Desertification Hazard	3
HDM-521	Disaster Management and Economy of Pakistan	3
HDM-599	Project-II	3

Total Credit Hours: 30

PROJECT AND CONTRACT MANAGEMENT

1st Semester

Course Code	Course Title	Credit Hours
PCM-501	Project Management Foundation	3
PCM-511	Project Performance and Integration	3
PCM-521	Contract Rules and Regulations	3
PCM-522	Contract Documents and Guidelines	3
PCM-598	Project-I	3

2nd Semester

Course Code	Course Title	Credit Hours
PCM-512	Project Tailoring and Artifacts	3
PCM-523	Practical use of FIDIC Contracts	3
PCM-531	Project Management Digital Tools (Primavera P6, ASANA, JIRA)	3
Elective Courses		
PCM-322	Project-II	3

Elective Courses

Course Code	Course Title
PCM 513	Project WBS (Work Break Down Structure)
PCM 514	Project Scheduling
PCM 515	Project Estimating
PCM 516	Project Quality
PCM 524	Construction Contract Administration

Total Credit Hours: 30

DEPARTMENT OF

ELECTRICAL ENGINEERING

PROGRAMS OFFERED

- B.Sc Electrical Engineering
- B.Sc Electrical Engineering Technology
- MS Electrical Engineering
- Master of Electrical Technology
- Ph.D Electrical Engineering

MISSION STATEMENT

To serve the engineering profession by offering high quality education to create professionals that contribute towards society by providing innovative solutions with a focus on research in Electrical Engineering and allied disciplines.

Message From The Head Of Department

"

Join one of the region's leading private universities and experience excellence through the Department of Electrical Engineering at CECOS. Our accomplished faculty delivers a curriculum rooted in practical, hands-on education, supported by modern laboratory facilities. Students develop key skills in communication and problem-solving and gain industry exposure through internships and industrial visits. Begin your journey with us and advance confidently toward your professional goals.

Dr. Azhar Qazi

Ph.D Electrical Engineering, CECOS University, Peshawar, Pakistan

Prof. Dr. Azhar Qazi
Head of Department / Professor
Ph.D Electrical
CECOS University, Peshawar

Engr. Col ® Ashfaq Ahmad
Associate Professor,
CECOS University

Dr. Zaheer Farooq
Associate Professor
Ph.D Electrical Engineering
CECOS University, Peshawar

Dr. Kiran Raheel
Assistant Professor
Ph.D Electrical Engineering
CECOS University

Dr. Khalid Rehman
Associate Professor
Ph.D Electrical Engineering
CECOS University, Peshawar

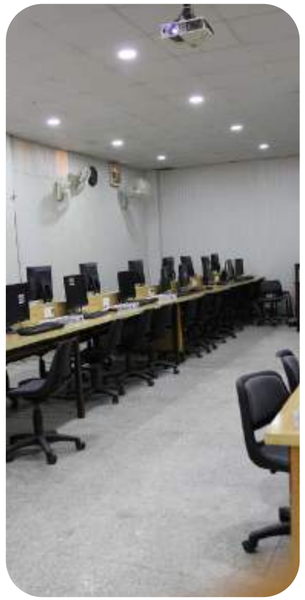
Engr. Ali Mujtaba Durrani
Lecturer
MS Power & Control
CECOS University, Peshawar
Ph.D (In Progress)
CECOS University

Engr. Usman Khan Khalil
Lecturer
MS Electrical Engineering
Sarhad University, Peshawar

Engr. Muhammad Adeel Khan
Lecturer
MS Electrical Engineering
CECOS University, Peshawar

FACULTY MEMBERS OF

ELECTRICAL ENGINEERINGERING



ELECTRICAL ENGINEERING LABORATORIES

- Circuits Lab
- Communications Lab
- Electrical Machines & Control Lab
- Electronics Lab
- Embedded Systems Lab
- Power Systems Lab
- Signal Processing Lab
- Computer Lab

CURRICULUM OF B.Sc ELECTRICAL ENGINEERING

Semester-I

Course Code	Course Title	Credit Hours
ENG-101	Functional English	3+0
MATH-106	Calculus and Analytic Geometry	3+0
ME-101	Engineering Mechanics & Thermodynamics	3+0
CS-110	Applications of Information & Communication Technologies	2+1
NS-101	Applied Physics	2+1
SS-203	Ideology and Constitution of Pakistan	2+0
SS-207	Understanding of Holy Quran	0+1
Total Credit Hours		18

Semester-II

Course Code	Course Title	Credit Hours
Math-108	Linear Algebra & Differential Equations	3+0
EE-101	Linear circuit Analysis	3+1
EE-102	Engineering Drawing	0+1
CS-111	Computer Programming	3+1
EE-112	Occupational Health & Safety	1+0
EE-105	Electrical Workshop Practice	0+1
SS-207	Understanding of Holy Quran	0+1
Total Credit Hours		17

Semester-III

Course Code	Course Title	Credit Hours
MATH -201	Complex Variables & Transforms	3+0
EE-203	Electrical Network Analysis	3+1
EE-221	Digital Logic Design	3+1
ENG-102	Expository Writing	3+0
EE-222	Electronic Devices & Circuits	3+1
SS-101	Islamic Studies / Ethics	2+0
Total Credit Hours		20

Semester-IV

Course Code	Course Title	Credit Hours
MGT-331	Organizational Behavior	2+0
EE-231	Electrical Machines	3+1
MATH-202	Numerical Analysis	3+0
EE-223	Electronic Circuit Design	3+1
SS-102	Pakistan Studies	2+0
EE-215	Data Structure & Algorithams	3+0
Total Credit Hours		18

Semester-V

Course Code	Course Title	Credit Hours
EE-338	Power Distribution and Utilization	3+1
MATH-211	Probability and Statistics	3+0
EE-304	Electromagnetic Field Theory	3+0
EE-305	Embedded Systems	3+1
EE-311	Signals & Systems	3+1
Total Credit Hours		18

Semester-VI

Course Code	Course Title	Credit Hours
Mgt-333	Project Management	2+0
EE-312	Digital Signal Processing	3+1
EE-313	Communication Systems	3+1
EE-339	Digital System Design	3+0
EE-306	Linear Control Systems	3+1
Total Credit Hours		17

Semester-VII

Course Code	Course Title	Credit Hours
EE-414	Computer Communication Networks	3+1
SS-404	Civics & Community Engagement	2+0
EE-435	Internet of Things	3+0
EE-436	Operating Systems	3+0
EE-498	Senior Design Project 1	0+2
Total Credit Hours		14

Semester-VIII

Course Code	Course Title	Credit Hours
MGT-246	Introduction to Entrepreneurship	2+0
EE-416	Computer Architecture	3+1
EE-417	Artificial Intelligence	3+0
EE-499	Senior Design Project II	0+4
Total Credit Hours		13

Total Credit Hours = 133

Fact File

Duration: Four Years

Eligibility: Minimum 60% marks in Intermediate or equivalent with Physics, Chemistry and Mathematics or DAE in relevant field.
The applicants with minimum 60% marks in Intermediate with Physics, Chemistry and Biology (Pre Medical) are also eligible with remedial course of Mathematics to be taught in Zero semester.
The applicants with minimum 60% marks in Intermediate with Physics, Mathematics and Computer Science are also eligible with Chemistry to be studied and passed as a remedial course in 1stsemester after admission.
Appearance in entrance test conducted by ETEA or any other testing body approved by PEC.

PROGRAM EDUCATIONAL OBJECTIVE (PEOS) OF ELECTRICAL ENGINEERING

PEO 1: Graduate demonstrating a blend of engineering technology & professional skills in Electrical Engineering & allied disciplines.

PEO 2: Graduate performing ethically & socially in a sustainable & responsible manner, as an individual & team member.

PEO 3: Graduate striving to enhance learning and practising skills.

PROGRAM LEARNING OUTCOMES (PLOS) OF ELECTRICAL ENGINEERING

PLO 1: **Engineering Knowledge:** An ability to apply knowledge of mathematics, science and engineering fundamentals and an engineering specialization to the solution of complex engineering problems. (WK-1-WK-4)

PLO 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. (WK-1-WK-4)

PLO 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. (WK-5)

PLO 4: **Investigation:** Conduct investigation of 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. (WK-8).

PLO 5: **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. (WK-2 and WK-6)

PLO 6: **The Engineer and the World:** To analyze and evaluate sustainable development impacts to society, the economy, sustainability, health and safety, legal frameworks, and the environment while solving complex engineering problems. (WK-1, WK-5, and WK-7)

PLO 7: **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice. (WK-9)

PLO 8: **Individual and Collaborative Team Work:** An ability to work effectively, as an individual or in a team, on multifaceted and/or multidisciplinary settings. (WK-9)

PLO 9: **Communication:** 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 documentations, make effective presentations, and give and receive clear instructions. (WK-1 and WK-9)

PLO 10: **Project Management and Finance:** 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. (WK-2 and WK-5)

PLO 11: **Lifelong Learning:** To recognize importance of, and pursue lifelong learning in the broader context of innovation and technological developments. (WK-8 and WK-9)

CURRICULUM OF B.Sc ELECTRICAL ENGINEERING TECHNOLOGY

Semester-I

Course Code	Course Title	Credit Hours
MATH-106	Calculus and Analytic Geometry	3+0
NS-100	Introduction to Physics	2+1
ET-101	Linear Circuits Analysis	2+1
SS-101	Islamic Studies	2+0
CS-190	Introduction to Computer Fundamentals	1+2
ET-102	Engineering Drawing	1+2
Total Credit Hours		17

Semester-II

Course Code	Course Title	Credit Hours
MATH-108	Linear Algebra and Differential Equations	3+0
ET-120	Electronics	2+2
MT-101	Basic Mechanical Technology	2+1
ET-130	Power Generation Systems	2+0
ET-131	Electrical Machines-I	2+1
Total Credit Hours		16

Semester-III

Course Code	Course Title	Credit Hours
SS-102	Pakistan Studies	2+0
ENG-103	Communication Skills	3+0
ET-222	Electrical Instruments and Measurements	2+2
ET-232	Electrical Machines-II	2+2
ET-221	Digital Electronics	2+2
Total Credit Hours		16

Semester-IV

Course Code	Course Title	Credit Hours
ET-230	AC Circuit Analysis	2+2
ET-201	Electro-Magnetic Fields	2+0
ET-234	Electrical Power Transmission	2+1
ET-233	Electrical Power Distribution & Utilization	3+1
ET-223	Power Electronics	2+1
ENG-202	Technical Report Writing	3+0
Total Credit Hours		17

Semester-V

Course Code	Course Title	Credit Hours
ET-301	Microprocessor Theory and Interfacing	2+1
ET-330	Switch Gear and Protective Devices	2+1
ET-310	Communications Technology	2+2
ET-302	Control Technology	2+1
MGT-335	Total Quality Management	3+1
ET-334	High Voltage Technology	2+1
Total Credit Hours		18

Semester-VI

Course Code	Course Title	Credit Hours
ET-331	Power System Analysis	2+0
ET-311	Data and Computer Communication	2+0
ET-333	Industrial Drives and PLC	2+2
MGT-333	Project Management	3+0
ET-498	Project-I	0+3
Total Credit Hours		18

Semester-VII

Course Code	Course Title	Credit Hours
ET-499	Project-II	0+3
ET-400	Supervised Industrial/Field Training	0+16
Total Credit Hours		19

Semester-VIII

Course Code	Course Title	Credit Hours
ET-400	Supervised Industrial/Field Training	0+16
Total Credit Hours		15

Total Credit Hours = 136

Fact File

Duration: Four Years

Eligibility: Minimum 50% marks in intermediate or equivalent with Physics, Chemistry and Mathematics or DAE in relevant field.
The applicants with minimum 60% marks in Intermediate with Physics, Chemistry and Biology (Pre Medical) are also eligible with remedial course of Mathematics to be taught in 1st semester.
Passing aptitude test of CECOS.

PROGRAM EDUCATIONAL OBJECTIVE (PEOS) OF ELECTRICAL ENGINEERING TECH

PEO 1: Graduate demonstrating a blend of engineering technology & professional skills in Electrical Engineering & allied disciplines.

PEO 2: Graduate performing ethically & socially in a sustainable & responsible manner, as an individual & team member.

PEO 3: Graduate striving to enhance learning and practising skills.

PROGRAM LEARNING OUTCOMES (PLOS) OF ELECTRICAL ENGINEERING TECH

PLO 1: **Engineering Knowledge:** An ability to apply knowledge of mathematics, science and engineering fundamentals and an engineering specialization to the solution of complex engineering problems. (WK-1-WK-4)

PLO 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. (WK-1-WK-4)

PLO 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. (WK-5)

PLO 4: **Investigation:** Conduct investigation of 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. (WK-8).

PLO 5: **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. (WK-2 and WK-6)

PLO 6: **The Engineer and the World:** To analyze and evaluate sustainable development impacts to society, the economy, sustainability, health and safety, legal frameworks, and the environment while solving complex engineering problems. (WK-1, WK-5, and WK-7)

PLO 7: **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice. (WK-9)

PLO 8: **Individual and Collaborative Team Work:** An ability to work effectively, as an individual or in a team, on multifaceted and/or multidisciplinary settings. (WK-9)

PLO 9: **Communication:** 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 documentations, make effective presentations, and give and receive clear instructions. (WK-1 and WK-9)

PLO 10: **Project Management and Finance:** 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. (WK-2 and WK-5)

PLO 11: **Lifelong Learning:** To recognize importance of, and pursue lifelong learning in the broader context of innovation and technological developments. (WK-8 and WK-9)

MS ELECTRICAL ENGINEERING

The MS degree program is of a 2 year duration and spans four 16-18 week semesters. Total credit hours for the MS program are 30 (i.e., 24 credit hours of coursework plus 6 credit hours of thesis and research in case of MS by research Plan-A).

In Year-II, selected students will embark on a thesis project (i.e. on basis of their CGPA, as well as synopsis defence); others will have to opt for the non-thesis track (i.e. all 30 credit hours derived from coursework Plan-B). Students with unsatisfactory performance in their thesis research will be shifted to the non-thesis track.

SCHEME OF STUDIES

MS Students must accumulate the requaired 30 credit hours as per the following distribution:

Plan-A

Category	Credit Hours
Core Subjects	12
Elective Subjects	12
Thesis	06
Total Credit Hours	30

Plan-B

Category	Credit Hours
Core Subjects	12
Elective Subjects	12
Additional Subjects	06
Total Credit Hours	30

M. TECH ELECTRICAL ENGINEERING

The Masters in Technology in Electrical Engineering students are required to complete a minimum of 24 credit hours of course work, followed by 6 credit hours of industrial training

PHD ELECTRICAL ENGINEERING

PhD is a 3 year degree program, during which the scholar must successfully complete 54 credit hours (18 credit hours course work and 36 credit hours research) beside other requirements as stipulated by the HEC and the University rules & regulations.

MS Electrical ENGINEERING

Curriculum for MS Electrical Engineering Program

COMMUNICATION ENGINEERING

Core Courses

Course Code	Subject	Credit Hours
EE 501	Advanced Digital Communication	3
EE 502	Advanced Digital Signal Processing	3
EE 503	Antenna Theory and Design	3
EM608	Statistical Methods for Engineering Data Analysis	3
EE 714	Advanced Digital System Design	3
EE 532	Advanced Wireless Communication	3
EE 537	Advanced Cryptography and Network Security	3
EE 506	Advanced Computer Networks	3
EE 514	Adaptive Filter Theory	3
EE 510	Optical Communication Systems	3

Elective Courses

Course Code	Subject	Credit Hours
EE 509	RF Communication Systems Design	3
EE 508	Mobile and Personal Communication	3
EE 507	Communication Theory	3
EE 512	Advanced Data Communication Systems	3
EE 513	Error Control Coding	3
EE 515	Emerging Technologies in Communication Engineering	3
EE 504	Information Communication Technology & Development	3
EE 530	Project Management in ICT Sector	3
EE 536	Research Methodology (Compulsory for Plan-A)	3
EE 538	Advanced Mobile Propagation Channel Modeling	3
EE 539	Special Topics in Communication Engineering	3

FACT FILE ELIGIBILITY

- Minimum 16-year education in B. Tech, (BSc Technology) field with minimum 2.0 CGPA or 60% marks from University / DAI recognized by HEC and accredited by relevant Accreditation body (NTC)
- Qualifying GAT-General Test of CECOS University or any other approved testing body (NTS/ETEA)

POWER & CONTROL ENGINEERING

Core Courses

Course Code	Subject	Credit Hours
EE 516	Linear Control Systems	3
EE 517	Advanced Power System Analysis	3
EE 518	Advanced Electrical Machines and Drives	3
EE 519	Advanced Power Electronics	3
EE 522	Advanced Power System Operation and Control	3
EE 523	High Tension Transmission Lines	3
EE 529	Advanced Power System Protection	3
EE 531	Advanced High Voltage Engineering Methodology	3
EE 526	Fuzzy Control Systems	3
EE 527	Digital Optimal Control	3
EE 740	Distributed Generation	3

Elective Courses

Course Code	Subject	Credit Hours
EE 501	Advanced Digital Communications	3
EE 521	Advanced Machines	3
EE 524	Adaptive Control	3
EE 525	Robotics	3
EE 533	Smart Grid	3
EE 534	Special Topic in Power & Control Engineering	3
EE 535	Renewable Energy Resources	3
EE 536	Research Methodology (Compulsory for Plan-A)	3
EE 528	Nonlinear Control Systems	3
EE 780	Micro Grid	3
EE 751	Energy Storage	3

FACT FILE ELIGIBILITY

- B.Sc Electrical Engineering (16 years education) in the relevant field with minimum 2.00 CGPA or equivalent duly accredited by PEC.
- GAT General Test.

MS Electrical ENGINEERING

Curriculum for MS Electrical Engineering Program

Artificial Intelligence

Core Courses

Course Code	Subject	Credit Hours
EE-601	Machine Learning	3
EE-602	Artificial Intelligence	3
EE-603	Mathematical and computational Foundations for Artificial Intelligence	3
EE-604	Statistical Learning Theory	3
EE-605	Knowledge representation and Reasoning	3
EE-606	Advanced Analysis of Algorithms	3

Elective Courses

Course Code	Subject	Credit Hours
EE-607	Convex Optimization	3
EE-608	Special topics in machine learning	3
EE-609	Intelligent control systems	3
EE-610	Artificial intelligence for robotics	3
EE-611	Special topics in artificial learning	3
EE-612	Aspects of computational intelligence	3
EE-613	Deep learning	3
EE-614	Data Mining	3
EE-615	Information Retrieval	3
EE-616	Advanced Image Processing	3
EE-617	Computer Vision	3
EE-618	Speech Processing	3
EE-619	Data Acquisition and Control	3
EE-620	Robot Motion Planning	3
EE-621	Pattern Recognition	3

Elective Courses

Course Code	Subject	Credit Hours
EE-622	Knowledge Representation and Reasoning	3
EE-623	Neural Networks	3
EE-624	Probabilistic Robotics	3
EE-625	Sensors and Sensing	3
EE-626	Human Robot Interaction	3
EE-627	Simultaneous Localization and Mapping	3
EE-628	Intelligent Systems	3
EE-629	Reinforcement Learning	3
EE-630	Advanced Signal Processing	3
EE-631	Intelligent Transportation Systems	3
EE-632	Social Simulations	3
EE-633	Serious Games	3
EE-634	Ethical Machines	3
EE-635	Evolutionary Algorithms	3
EE-636	Statistical Machine Learning	3
EE-637	Geometric Deep Learning	3
EE-638	Generative Deep Models	3
EE-639	Applied Game Theory	3
EE-640	Cognitive Modeling	3
EE-536	Research Methodology	3

FACT FILE ELIGIBILITY

- Minimum 16-year education in relevant field with minimum 2.0 CGPA or 60% marks from University / DAI recognized by HEC and accredited by relevant Accreditation body (PEC)
- Qualifying GAT-General Test of CECOS University or any other approved testing body (NTS/ETEA)

MASTER OF ELECTRICAL ENGINEERING TECHNOLOGY

Curriculum for Master of Technology Electrical Engineering Program

Courses

Course Code	Subject	Credit Hours
EE862	Power System Analysis Engineering Technology	3
EE863	Advance Machine Technology	3
EE864	Digital Optimal Control	3
EE865	Advance Power Electronics	3
EE866	Advanced Topics in Engineering Technology	3
EE867	Transmission Lines and Power System Operation	3
EE868	Advance Power System Protection	3
EE870	Digital Control System	3
EE871	Energy Storage	3

FACT FILE ELIGIBILITY

- Minimum 16-year education in B. Tech, (BSc Technology) field with minimum 2.0 CGPA or 60% marks from University / DAI recognized by HEC and accredited by relevant Accreditation body (NTC)
- Qualifying GAT-General Test of CECOS University or any other approved testing body (NTS/ETEA)

PhD Electrical ENGINEERING

Curriculum for MS Electrical Engineering Program

COMMUNICATION ENGINEERING

Courses

Course Code	Subject	Credit Hours
EE 700	Advanced Digital Communications	3
EE701	Advanced Wireless Communications	3
EE702	Satellite Communication	3
EE703	Optical Communication	3
EE704	Digital Image Processing	3
EE705	Mobile and Pervasive Computing	3
EE706	Digital Electronics	3
EE707	Green Communication	3
EE708	Radio Frequency Electronics for Mobile Communication Systems	3
EE709	Wireless Low Power System Architecture	3
EE710	DSP Software System Design	3
EE711	DSP Hardware System Design	3
EE712	Applied Signal Processing	3
EE713	Signal Detection and Estimation	3
EE720	Advanced Computer and Telecommunication Networks	3
EE721	Network Management and QoS Provisioning	3

Courses

Course Code	Subject	Credit Hours
EE722	Stochastic Processes	3
EE723	Wireless and Optical Communications	3
EE724	Wireless Sensor Networks	3
EE725	Cryptographic Algorithms	3
EE726	Software Quality Assurance and Testing	3
EE727	Artificial Intelligence	3
EE728	Research Methodology	3
EE729	Network and Protocol Simulation	3
EE800	Analysis of wave propagation	3
EE801	Advanced Digital Signal Proccesses	3
EE802	Information Theory and Coding	3
EE803	Transmission and Switching Systems	3
EE804	RF and Microwave Engineering	3
EE805	Modern Navigation and Radar Systems	3
EE806	Antenna Theory and Design	3
EE807	Embedded System Design	3

FACT FILE ELIGIBILITY

- Minimum 18-year Master Degree (Research Based) in relevant field with minimum 3 CGPA from HEC recognized University.
- Those who have Completed Master degree by course work will be required to publish one research paper in HEC recognized Journal prior to admissions.

PhD Electrical ENGINEERING

Curriculum for MS Electrical Engineering Program

POWER & CONTROL ENGINEERING

Courses

Course Code	Subject	Credit Hours
EE808	Optimization Methods for Engineering	3
EE809	Advance Multimedia Communication	3
EE810	Analysis of stochastic Systems	3
EE811	Advance Digital System Design	3
EE812	Adaptive Filter Theory	3
EE813	Multi-rate Systems and Filter Banks	3
EE820	Switch and router architectures	3
EE821	Network Modeling: theory and simulation	3
EE822	Efficient Network Deployment Architecture	3
EE823	Quantum Theory	3
EE824	Cellular Networks Design	3
EE825	Energy Efficient Routing Algorithms For Telecommunication Networks	3
EE826	Operation Research: Theory And Applications To Networking	3
EE827	Model Order Reduction Techniques	3
EE828	Networks Security	3
EE829	Parallel And Distributed Computing	3
EE830	Digital Forensics	3

FACT FILE ELIGIBILITY

COMMUNICATION ENGINEERING

- Minimum 18-year Master Degree (Research Based) in relevant field with minimum 3 CGPA from HEC recognized University.
- Those who have Completed Master degree by course work will be required to publish one research paper in HEC recognized Journal prior to admissions.

FACT FILE ELIGIBILITY

POWER & CONTROL ENGINEERING

- Minimum 18-year Master Degree (Research Based) in relevant field with minimum 3 CGPA from HEC recognized University.
- Those who have Completed Master degree by course work will be required to publish one research paper in HEC recognized Journal prior to admissions.

PhD Electrical ENGINEERING

Curriculum for MS Electrical Engineering Program

POWER & CONTROL

Courses

Course Code	Subject	Credit Hours
EE740	Distribution Generation (Core for MS)	3
EE741	Power System Modeling and Analysis	3
EE742	Renewable Energy Systems	3
EE743	Integration of Power System	3
EE744	Sustainable Power Systems: Planning, Operation and Markets	3
EE745	Computational Methods in Power Engineering	3
EE746	Computer Analysis Methods in Engineering	3
EE747	Statistics in Research	3
EE748	Power System Dynamics	3
EE749	Transients in Power Systems	3
EE760	Nonlinear Control System	3
EE761	Optimal Control System	3
EE762	Fuzzy Control	3
EE763	Adaptive Control System	3
EE764	Discrete Time Control System	3
EE765	Mobile Robotics	3
EE766	System Identification	3
EE767	Robust Control	3
EE768	Modeling and Simulation of Dynamic Systems	3
EE840	Advanced Power System Transmission	3
EE841	Advance Power System Distribution	3
EE842	Advanced Power System Protection	3
EE843	Advanced Topics in Power System	3
EE844	Advanced Topic in Energy	3
EE845	Power Delivery Systems	3
EE846	Smart Grid Design and Operation	3
EE847	Power System Reliability	3
EE848	Hydro Engineering	3
EE849	Power Electronics for Energy Systems	3
EE860	Advanced Digital Control Systems	3
EE861	Control Systems Optimization	3

DEPARTMENT OF

MECHANICAL ENGINEERING

PROGRAMS OFFERED

- B.Sc Mechanical Engineering
- B.Sc Mechanical Engineering Technology
- BS Robotics & Artificial Intelligence (Non Engineering Program)
- MS Mechanical Engineering
- MS Engineering Management

MISSION STATEMENT

To serve the engineering profession by offering high quality education to create professionals that contribute towards society by providing innovative solutions with a focus on research in Mechanical Engineering and allied disciplines.

Message From The Head Of Department

The Department of Mechanical Engineering at CECOS University is committed to developing ethically responsible leaders with technical expertise across both conventional and emerging domains. Alongside our established mechanical engineering programs, we proudly offer the BS Robotics & Artificial Intelligence program, providing in-depth knowledge in intelligent systems, automation, machine learning, and robotics. Our experience-based curriculum fosters innovation and problem-solving skills, empowering students to address global challenges in energy, sustainability, and smart technologies. Join us to shape the future of engineering and build a career of impact.

Prof. Dr. Muhammad Iqbal

Ph.D in Generalized Finite Elements Heriot-Watt University, Edinburgh, UK

Dr. Muhammad Iqbal
Professor/Head of Department
Ph.D in Generalised Finite Elements
Heriot-Watt University, UK

Dr. M. Imran Hanif
Assistant Professor
Ph.D Mechanical Engineering
UET Peshawar

Engr. M. Zafar Ijaz
Assistant Professor
M.S. Mechanical Engineering
Ph.D (In Progress), UET Peshawar

Engr. Umair Ali
Lecturer
M.S. Mechanical Engineering
CECOS University, Peshawar

Amir Siddique
Lab Supervisor
M.S. Mechanical Technology

Dr. Irfan Ullah
Professor/Dean
Ph.D Mechanical Engineering
University of Michigan, USA

Engr. M. Irfan Khan
Lecturer/Academic Coordinator
M.S. Mechanical Engineering
Ph.D (In Progress), UET Peshawar

Engr. M. Owais Awan
Lecturer
M.S. Mechanical Engineering
Ph.D (In Progress), UET Peshawar

Engr. Hashim Khan
Lecturer
M.S. Mechanical Engineering
CECOS University, Peshawar

Engr. Ihtisham Khan
Lab. Engineer
B.Sc. Mechanical Engineering
M.S. (In Progress), UET Peshawar

FACULTY MEMBERS OF

MECHANICAL ENGINEERING

MECHANICAL ENGINEERING LABORATORIES

- Engineering Mechanics
- Engineering Materials
- Workshops
- Thermofluids
- Mechanics of Machines & Vibrations
- Instrumentation & Control

CURRICULUM OF B.Sc MECHANICAL ENGINEERING

Semester-I

Course Code	Course Title	Credit Hours
CS-109	Computer Programming	2+1
ENG-10	English-I	3+0
MATH-106	Calculus and Analytical Geometry	3+0
ME-111	Engineering Drawing and Graphics	1+1
ME-112	Introduction to Engineering	1+0
NS-101	Applied Physics	3+0
NS-111	Applied Chemistry	3+0
Total Credit Hours		18

Semester-II

Course Code	Course Title	Credit Hours
EE-106	Basic Electrical Engineering	2+1
ENG-102	English-II	3+0
MATH-108	Linear Algebra & Differential Equations	3+0
ME-113	Workshop Practice	0+2
ME-114	Computer Aided Drawing	0+1
ME-115	Engineering Mechanics-I: Statics	3+0
ME-121	Thermodynamics-I	3+0
Total Credit Hours		18

Semester-III

Course Code	Course Title	Credit Hours
MATH-201	Complex Variables and Transforms	3+0
ME-211	Engineering Mechanics-II: Dynamics	3+0
ME-213	Engineering Mechanics Lab	0+1
ME-212	Mechanics of Materials-I	3+0
ME-221	Thermodynamics-II	3+0
ME-222	Thermodynamics Lab	0+1
SS-101	Islamic Studies	2+0
SS-102	Pakistan Studies	2+0
Total Credit Hours		18

Semester-IV

Course Code	Course Title	Credit Hours
EE-201	Fundamentals of Electronics	2+1
MATH-202	Numerical Analysis	3+0
ME-214	Machine Design-I	3+0
ME-215	Mechanics of Materials-II	3+0
ME-216	Mechanics of Materials Lab	0+1
ME-223	Fluid Mechanics-I	3+0
SS-205	Engineering Economics	2+0
Total Credit Hours		18

Semester-V

Course Code	Course Title	Credit Hours
ME-311	Machine Design -II	2+0
ME-312	Instrumentation and Measurement	2+1
ME-313	Manufacturing Processes	3+1
ME-321	Fluid Mechanics-II	3+0
ME-322	Heat and Mass Transfer	3+0
ME-323	Fluid Mechanics Lab	0+1
Total Credit Hours		16

Semester-VI

Course Code	Course Title	Credit Hours
ENG-203	English-III	3+0
MATH-211	Probability and Statistics	3+0
ME-314	Engineering Materials	3+0
ME-315	Mechanics of Machines	3+0
ME-324	Heating, Ventilating and Air Conditioning	3+0
ME-325	Heat Transfer and HVAC Lab	0+1
ME-3XY	Technical Elective-I	2+0
Total Credit Hours		18

Semester-VII

Course Code	Course Title	Credit Hours
ME-401	Health, Safety and Environment	1+0
ME-411	Mechanical Vibrations	3+0
ME-412	Mechanisms & Mechanical Vibrations Lab	0+1
ME-413	Introduction to Finite Element Analysis	2+1
ME-421	Internal Combustion Engines	3+0
ME-498	Final Year Design Project-I	0+3
ME-4XY	Technical Elective-II	2+0
Total Credit Hours		16

Semester-VIII

Course Code	Course Title	Credit Hours
ME-402	Project Management & Entrepreneurship	3+0
ME-414	Control Engineering	3+1
ME-422	Power Plants	3+0
ME-423	IC Engines and Power Plants Lab	0+1
ME-499	Final Year Design Project-II	0+3
ME-4XY	Technical Elective-III	2+0
Total Credit Hours		16

Total Credit Hours = 136

Fact File

Duration: Four Years

Eligibility: Minimum 60% marks in Intermediate or equivalent with Physics, Chemistry and Mathematics or DAE in relevant field.
The applicants with minimum 60% marks in Intermediate with Physics, Chemistry and Biology (Pre Medical) are also eligible with remedial course of Mathematics to be taught in Zero semester.
The applicants with minimum 60% marks in Intermediate with Physics, Mathematics and Computer Science are also eligible with Chemistry to be studied and passed as a remedial course in 1tsemester after admission.
Appearance in entrance test conducted by ETEA or any other testing body approved by PEC.

PROGRAM EDUCATIONAL OBJECTIVE (PEOS) OF MECHANICAL ENGINEERING

PEO 1: Demonstrate a blend of engineering and professional skills.
PEO 2: Perform ethically and in a socially responsible manner.
PEO 3: Strive to enhance learning and managerial skills.

PROGRAM LEARNING OUTCOMES (PLOS) OF MECHANICAL ENGINEERING

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

PLO 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.

PLO 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.

PLO 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.

PLO 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.

PLO 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.

PLO 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 sustain- able development.

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

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

PLO 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.

PLO 11: **Project Management:** 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.

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

CURRICULUM OF B.Sc MECHANICAL ENGINEERING TECHNOLOGY

Semester-I

Course Code	Course Title	Credit Hours
MATH-106	Calculus and Analytic Geometry	3+0
CS-190	Introduction to Computer Fundamentals	1+2
MT-111	Workshop Technology	0+2
NS-100	Introduction to Physics	2+1
NS-110	Introduction to Chemistry	2+1
SS-101	Islamic Studies	2+0
Total Credit Hours		17

Semester-II

Course Code	Course Title	Credit Hours
MATH-108	Linear Algebra and Differential Equations	3+0
MT-102	Basic Electrical and Electronics	2+2
MT-101	Technical Drawing and CAD-1	2+2
MT-121	Applied Thermodynamics-I	2+2
SS-102	Pakistan Studies	2+0
Total Credit Hours		17

Semester-III

Course Code	Course Title	Credit Hours
ENG-103	Communication Skills	3+0
MT-211	CAD-II	0+3
MT-212	Industrial Materials	2+1
MT-213	Mechanics of Materials	2+1
MT-221	Applied Thermodynamics - II	2+1
Total Credit Hours		15

Semester-IV

Course Code	Course Title	Credit Hours
ENG-202	Technical Report Writing	3+0
MATH-211	Probability and Statistics	3+0
MGT-335	Total Quality Management	2+0
MT-214	Machine Design	3+0
MT-215	Engineering Statics	2+1
MT-222	Fluid Mechanics	2+2
Total Credit Hours		18

Semester-V

Course Code	Course Title	Credit Hours
MGT-333	Project Management	3+0
MT-311	Dynamics	2+1
MT-312	Manufacturing Processes	2+1
MT-321	Heat Transfer	2+1
MT-322	IC Engines	2+2
SS-205	Engineering Economics	2+0
Total Credit Hours		18

Semester-VI

Course Code	Course Title	Credit Hours
MT-302	Material Handling and Safety	3+1
MT-313	Instrumentation and Control	2+1
MT-314	Mechanical Vibration	2+1
MT-323	Refrigeration and Air Conditioning	2+1
MT-498	Project-I	0+3
Total Credit Hours		16

Semester-VII

Course Code	Course Title	Credit Hours
MT-400	Supervised Industrial/Field Training	0+16
MT-499	Project-II	
Total Credit Hours		16

Semester-VIII

Course Code	Course Title	Credit Hours
MT-400	Supervised Industrial/Field Training	0+16
Total Credit Hours		16

Total Credit Hours = 136

Fact File

Duration: Four Years

Eligibility: Minimum 50% marks in intermediate or equivalent with Physics, Chemistry and Mathematics or DAE in relevant field.
The applicants with minimum 60% marks in Intermediate with Physics, Chemistry and Biology (Pre Medical) are also eligible with remedial course of Mathematics to be taught in 1st semester.
Passing aptitude test of CECOS.

PROGRAM EDUCATIONAL OBJECTIVE (PEOS) OF MECHANICAL ENGINEERING TEC

PEO 1: Graduates will demonstrate knowledge of Mechanical Engineering Technology appropriate for career pursuits and workplace needs.

PEO 2: Graduates will have the ability to understand, diagnose, communicate & provide solutions to technical problems/situations for the benefit of the society

PEO 3: Graduates will demonstrate the intellectual curiosity to actively pursue the acquisition of new knowledge & skills necessary to refine and improve his/her abilities to contribute to the Technology domain

PEO 4: Graduates will show Ethical commitment that allows them to deal successfully with social, technical and professional situations in their lives and work.

PROGRAM LEARNING OUTCOMES (PLOS) OF MECHANICAL ENGINEERING TECH

PLO 1: **Engineering Technology:** An ability to apply knowledge of mathematics, natural science, technology fundamentals and technology specialization to defined and applied technology procedures, processes, systems or methodologies.

PLO 2: **Problem Analysis:** An ability to Identify, formulate, research literature and analyze broadly-defined technology problems reaching substantiated conclusions using analytical tools appropriate to the discipline or area of specialization.

PLO 3: **Design/Development of Solutions:** An ability to design solutions for broadly- defined technology problems and contribute to the design of systems, components or processes to meet specified needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations.

PLO 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.

PLO 5: **Modern Tool Usage:** An ability to create, select and apply appropriate techniques, resources, and modern technology and IT tools, including prediction and modelling, to broadly-defined technology problems, with an understanding of the limitations.

PLO 6: **The Engineer and Society:** An ability to demonstrate an understanding of the societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to technology practice and solutions to broadly defined technology problems.

PLO 7: **Environment and Sustainability:** An ability to understand and evaluate the sustainability and impact of technology work in the solution of broadly defined technology problems in societal and environmental contexts.

PLO 8: **Ethics:** Understand and commit to professional ethics and responsibilities and norms of technology practice.

PLO 9: **Individual and Team Work:** An ability to function effectively as an individual and as a member or leader in diverse teams.

PLO 10: **Communication:** An ability to communicate effectively on broadly defined technology activities with the technologist community and with society at large, by being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PLO 11: **Project Management:** An ability to demonstrate knowledge and understanding of technology management principles and apply these to one's own work, as a member or leader in a team and to manage projects in multidisciplinary environments.

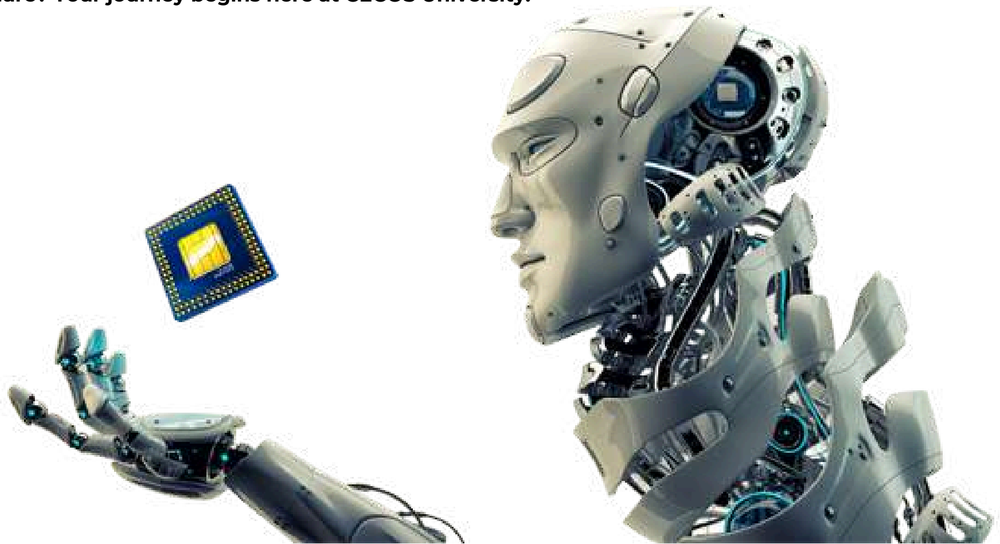
PLO 12: **Lifelong Learning:** An ability to recognize the need for, and have the ability to engage in independent and lifelong learning in specialist technologies.

BS ROBOTICS AND ARTIFICIAL INTELLIGENCE

Step into the future with our BS Robotics & Artificial Intelligence Program, where innovation meets intelligence!
Shape the world of tomorrow by mastering the technologies that are redefining industries today. Our cutting-edge curriculum combines robotics, artificial intelligence, machine learning, and automation to produce next-generation graduates who are ready to lead the digital revolution.

With hands-on labs, industry-connected faculty, and real-world projects, you'll not only learn Artificial Intelligence and Robotics, you'll live it. Turn your curiosity into capability & your ideas into intelligent machines.

Ready to build the future? Your journey begins here at CECOS University.



CURICULUM OF BS ROBOTICS AND ARTIFICIAL INTELLIGENCE

Semester-I

Course Code	Course Title	Credit Hours
ENG-101	Functional English	3+0
RAI-101	Statics	3+0
RAI-111	Linear circuit analysis	2+0
CS-110	Application of Information & Communication Technologies	2+1
RAI-131	Introduction to Robotics	2+0
SS-101	Islamic Studies	2+0
	General Mathematics (for pre med)	Non Credit
	Understanding of Holy Quran - I	0+1
Total Credit Hours		16

Semester-II

Course Code	Course Title	Credit Hours
ENG-102	Expository Writing	3+0
MATH-106	Calculus & Analytical Geometry	3+0
RAI-102	Computer Aided Design	0+1
RAI-112	Electronics	3+0
RAI-113	Electrical and electronics lab	0+1
RAI-122	Programming Fundamentals I	2+1
SS-102	Understanding of Holy Quraan - II	0+1
	Pakistan Studies	2+0
Total Credit Hours		17

Semester-III

Course Code	Course Title	Credit Hours
MATH-108	Linear Algebra & Differential Equation	3+0
RAI-201	Dynamics	3+0
RAI-202	Mechanics of Materials	3+1
EE-221	Digital Logic Design	3+1
RAI-222	Programming Fundamentals II	2+1
Total Credit Hours		17

Semester-IV

Course Code	Course Title	Credit Hours
ME-313	Manufacturing processes	2+1
RAI-212	Signals & Systems	2+1
RAI-223	Data structures and Algorithms	3+0
MATH-211	Probability and statistics	3+0
SS-204	Civics and Community Engagement	2+0
SS-205	Engineering Economics	2+0
Total Credit Hours		16

Semester-V

Course Code	Course Title	Credit Hours
RAI-321	Robot Programming	2+1
ME-315	Mechanics of Machines	3+0
RAI-301	Mechanical Design of Robots I	2+0
RAI-311	Electrical Drives	3+0
RAI-312	Sensors and Actuators	3+0
CS-218	Artificial Intelligence	3+0
Total Credit Hours		17

Semester-VI

Course Code	Course Title	Credit Hours
RAI-302	Mechanical Design of Robots II	2+0
ME-414	Control Engineering	3+1
RAI-313	Embedded Systems	2+1
AI-231	Machine Learning	3+0
RAI-3XX	Technical Elective-I	3+0
SS-203	Ideology & Constitution of Pakistan	2+0
Total Credit Hours		17

Semester-VII

Course Code	Course Title	Credit Hours
ME-413	Intro to Finite Element Methods	2+1
RAI-421	Introduction to Deep Learning	3+0
RAI-431	Robot Modeling & Control	3+1
RAI-498	Final Year Design Project I	0+3
RAI-4XX	Technical Elective-II	3+0
RAI-422	Artificial Intelligence Lab	0+1
Total Credit Hours		17

Semester-VIII

Course Code	Course Title	Credit Hours
MGT-333	Project Management	2+0
MGT-431	Entrepreneurship	2+0
RAI-401	Industrial Automation	2+1
RAI-423	Introduction to Computer Vision	2+1
RAI-499	Final Year Design Project II	0+3
RAI-4XX	Technical Elective-III	3+0
Total Credit Hours		16

Total Credit Hours = 133

Fact File

Duration: Four Years
Eligibility: Minimum 50% marks in intermediate or equivalent with mathematics / minimum 50% marks in intermediate (without mathematics) with two deficiency courses of mathematics to be studied and passed in 1st and 2nd semester after admission.
Passing aptitude test of CECOS.

MS MECHANICAL ENGINEERING/MS ENGINEERING MANAGEMENT

The degree program is of a 2 year duration and spans four 16-18 week semesters. Total credit hours for the MS program are 30 (i.e., 24 credit hours of coursework plus 6 credit hours of thesis and research in case of MS by research Plan-A).

In Year-II, selected students will embark on a thesis project (i.e. on basis of their CGPA, as well as synopsis defence); others will have to opt for the non-thesis track (i.e. all 30 credit hours derived from coursework Plan-B). Students with unsatisfactory performance in their thesis research will be shifted to the non-thesis track.

SCHEME OF STUDIES

MS Students must accumulate the requaired 30 credit hours as per the following distribution:

Plan-A (MS Mechanical Engineering)

Category	Credit Hours
Core Subjects	15
Elective Subjects	09
Thesis	06
Total Credit Hours	30

Plan-B (MS Mechanical Engineering)

Category	Credit Hours
Core Subjects	15
Elective Subjects	09
Additional Subjects	06
Total Credit Hours	30

Plan-A (MS Engineering Management)

Category	Credit Hours
Core Subjects	18
Elective Subjects	06
Thesis	06
Total Credit Hours	30

Plan-B (MS Engineering Management)

Category	Credit Hours
Core Subjects	18
Elective Subjects	06
Additional Subjects	06
Total Credit Hours	30

MS ENGINEERING MANAGEMENT

Curriculum for MS Engineering Management Program

CORE COURSES

Course Code	Subject	Credit Hours
EM-601	Principles Of Engineering Management	3
EM-602	Advanced Engineering System Optimization And Simulation	3
EM-603	Engineering Management Methods, Data, Information And Modeling	3
EM-604	Engineering Entrepreneurship	3
EM-605	Engineering Project Management	3
EM-606	Economic Analysis of Engineering System	3
EM-607	Methods for Quality Improvement in Engineering Concern	3
EM-608	Statistical Methods for Engineering Data Analysis	3
EM-609	Technology Management	3
EM-616	Accounting and Financial Analysis for Engineers	3

Elective Courses

Course Code	Subject	Credit Hours
EM-610	Risk Analysis And Management	3
EM-611	Production And Operation Management	3
EM-613	Emerging Trends In Services, Management, Engineering And Design	3
EM-614	Construction Planning And Operations	3
EM-615	Creativity, Innovation And Leadership	3

MANAGEMENT ELECTIVE COURSES*

Course Code	Subject	Credit Hours
ME-580	Industrial Management	3
ME-581	Total Quality Management	3
ME-582	Organizational Behavior for Engineers	3
ME-583	Management in Technical Organization	3
ME-584	Human Resource Management	3

- Any management elective course can be taken if approved by HOD & Coordinator

FACT FILE ELIGIBILITY

- Minimum 16-year education in relevant field with minimum 2.0 CGPA or 60% marks from University / DAI recognized by HEC and accredited by relevant Accreditation body (PEC)
- Qualifying GAT-General Test of CECOS University or any other approved testing body (NTS/ETEA)

MS MECHANICAL ENGINEERING

Curriculum for MS Mechanical Engineering Program

Core Courses

Course Code	Subject	Credit Hours
ME-500	Advanced Numerical Analysis	3
ME-501	Finite Element Analysis	3
ME-502	Experimental Stress Analysis	3
ME-503	Advanced Stress Analysis	3
ME-504	Product Design & Development	3
ME-505	Advanced CAD/CAM	3
ME-506	Computer Integrated Manufacturing	3
ME-507	Advanced Manufacturing System	3
ME-508	Advanced Metal Forming	3
ME-509	Theory of Metal Cutting	3
ME-510	Advanced Mechanical Vibration	3
ME-511	Advanced Design of Mechanism	3
ME-521	Advanced Engineering Materials	3
ME-522	Characterization of Materials	3
ME-523	Materials Thermodynamics	3
ME-524	Composite Materials	3
ME-525	Heat Treatment of Metals & Alloys	3
ME-526	Polymer Science & Engineering	3
ME-527	Biomaterials	3
ME-528	Evaluation Techniques and Instruments	3
ME-529	Phase Equilibrium & Microstructures	3
ME-530	Application and Selection of Materials	3
ME-531	Mechanical Behavior of Materials	3
ME-532	Design of Experiments	3

Elective Courses

Course Code	Subject	Credit Hours
ME-540	Engineering Design Optimization	3
ME-541	Advanced Thermodynamics	3
ME-542	Advanced Fluid Mechanics	3
ME-543	Computational Fluid Dynamics	3
ME-544	Continuum Mechanics	3
ME-545	Advanced Dynamics	3

Elective Courses

Course Code	Subject	Credit Hours
ME-546	Advanced Solid Mechanics	3
ME-547	Industrial Air Conditioning and Refrigeration	3
ME-548	Internal Combustion Engines	3
ME-549	Design of Machine Tools	3
ME-550	Artificial Intelligence in Design and Manufacturing	3
ME-551	Joining of Advanced Materials	3
ME-552	Automation and Control	3
ME-553	Tribology	3
ME-554	Solar Energy Utilization	3
ME-555	Fracture Mechanics	3
ME-556	Manufacturing Design and Cost Analysis	3
ME-557	Production Management & Control	3
ME-558	Advanced Mechanical Design	3
ME-559	Engineering Plasticity	3
ME-560	Fatigue of Metals and Structures	3
ME-561	Deformation and Failure of Materials	3
ME-562	Mechanics of Composite Materials	3
ME-563	Behaviour of Materials under Impact Loading	3
ME-564	Computer Application in Mechanical Engineering	3
ME-565	Mechanics of Micro Structure	3
ME-566	Optimization of Engineering Systems	3
ME-567	Non Metallic and Composite Materials	3
ME-568	Theory of Elasticity	3
ME-569	Modeling & Simulation	3
ME-570	Robotics	3
ME-571	Modeling of Dynamic System	3
ME-572	Advanced Control System	3
ME-573	Manufacturing Planning & Control	3
ME-574	Fuel Cell and Hydrogen Technology	3
ME-600	Advanced Topics in Design and Manufacturing	3
ME-601	Advanced Topics in Engineering Materials	3

FACT FILE ELIGIBILITY

- Minimum 16-year education in relevant field with minimum 2.0 CGPA or 60% marks from University / DAI recognized by HEC and accredited by relevant Accreditation body (PEC)
- Qualifying GAT-General Test of CECOS University or any other approved testing body (NTS/ETEA)

DEPARTMENT OF

ARCHITECTURE

PROGRAMS OFFERED

- Bachelor of Architecture
- Master of Architecture

MISSION STATEMENT

The Department's mission is to meet the demands of the diversified & complex society by promoting a well-balanced and comprehensive architectural education system. The department encourages critical thinking to foster pursuit of knowledge and technological skills that would result in the development of original ideas for achieving sustainability in the built environment.

Message From The Head Of Department

The Department of Architecture at CECOS University is recognized as one of the country's leading architecture schools. We are committed to academic excellence and to preparing students for successful careers in a rapidly evolving field. Our five-year Bachelor of Architecture program is designed to provide students with the technical knowledge, creative skills, and design vision essential for professional success. With a highly qualified faculty and a curriculum that blends foundational principles with advanced architectural practices, students are encouraged to think critically, solve real-world problems, and develop their unique design identity. We look forward to helping you shape the future of architecture.

Ar. Adnan Ahmad Khan
M.Sc Const. & PM (Queen's University, UK)

Ar. Adnan Ahmad Khan
Associate Professor/HOD
M.Sc Construction & Project Management (Queen's University Belfast UK)
M.SC Urban & Regional Planning
Bachelor of Architecture (NCA- Lahore)

Ar. Sehrish Ghani
Assistant Professor / Coordinator Academics
B. Architecture (UET Peshawar)
M. Architecture CECOS University

Ar. Salim Ullah
Assistant Professor
B. Architecture (Mehran University of Engineering & Tech Sindh)
M. Architecture CECOS University

Ar. Farhat Chishti
Assistant Professor
B. Architecture (CECOS University, Peshawar)
M. Architecture (CECOS University, Peshawar)

Ar. Majid Khan
Assistant Professor
B. Architecture (NCA Lahore)
M. Architecture CECOS University

Ar. Nosheed Ullah Shah
Lecturer
B. Architecture (NCA Lahore)
M. Architecture CECOS University

Ar. Attique Ur Rehman
Assistant Professor / Exam Coordinator
B. Architecture (CECOS)
M. Architecture (BAHCESEHIR University)

Ar. Naeem Ullah
Assistant Professor
B. Architecture (UET Peshawar)
M.Sc UIPM (UET Peshawar)

Ar. Muhammad Tariq
Assistant Professor
B. Architecture (UET Peshawar)
Masters in "Urban Climate & Sustainability" on Erasmus Mundus Joint Masters

Ar. Awais Saeed Agha
Assistant Professor
B. Architecture (CECOS)
M. Urban Design (The University of Sydney)
M. Architectural Science (The University of Sydney)

Ar. Arshad Jabbar
Lecturer
Master in Fine Arts (University of Peshawar)

Ms. Sana Arshad
Lecturer
Master in Fine Arts (University of Peshawar)

FACULTY MEMBERS OF

ARCHITECTURE

Hunar

- A Signature Event is organised by the Department of Architecture every year.

CURRICULUM OF BACHELOR OF ARCHITECTURE

Semester-I

Course Code	Course Title	Credit Hours
AR121	Basic Design-I	6 (1,5)11
AR134	Visual Communication-I	2 (1,1)3
AR111	History of Architecture-I	2 (2,0)2
AR110	Introduction to Architecture	2 (2,0)2
SS101	Islamic Studies	2 (2,0)2
AR196	Mathematics for Architects-I (Quantitative Reasoning)	2 (2,0)2
ENG105	English-I (Functional English)	2 (2,0)2
SS-113	Understanding of Holy Quran	1(0,1)1
Total Credit Hours		19 (12,7)25

Semester-II

Course Code	Course Title	Credit Hours
AR122	Basic Design-II (Prerequisite)	6 (1,5)11
AR135	Visual Communication-II	2 (1,1)3
AR112	History of Architecture-II	2 (2,0)2
AR141	Materials and Construction-I	2 (1,1)3
SS102	Pakistan Studies	2 (2,0)2
AR197	Mathematics for Architects-II (Quantitative Reasoning)	2 (2,0)2
ENG106	English-II (Communication Skills)	2 (2,0)2
SS-114	Understanding of Holy Quran-II	1(0,1)1
Total Credit Hours		19 (11,8)26

Semester-III

Course Code	Course Title	Credit Hours
AR223	Architectural Design I (Prerequisite)	6 (1,5)11
AR236	Visual Communication-III	2 (1,1)3
AR213	History of Architecture-III	2 (2,0)2
AR242	Materials and Construction-II	2 (1,1)3
AR151	Energy and Environment-I	2 (2,0)2
AR271	Structures for Architects-I	2 (2,0)2
CS110	Applications of information, communication &Technologies	3 (2,1)3
Total Credit Hours		19 (11,8)26

Semester-IV

Course Code	Course Title	Credit Hours
AR224	Architectural Design-II (Prerequisite)	6 (1,5)11
AR214	History of Architecture-IV	2 (2,0)2
AR243	Materials and Construction-III	2 (1,1)3
AR231	Digital Tools for Architects-I	2 (0,2)4
AR275	Surveying & Levelling	2 (2,0)2
AR252	Energy and Environment-II	2 (2,0)2
AR272	Structures for Architects-II	2 (2,0)2
Total Credit Hours		18 (10,8)26

Semester-V

Course Code	Course Title	Credit Hours
AR325	Architectural Design-III (Prerequisite)	6 (1,5)11
AR344	Materials and Construction-IV	2 (1,1)3
AR317	Theory of Architecture-I	2 (2,0)2
AR353	Sustainable Design	2 (2,0)2
AR332	Digital Tools for Architects-II	2 (0,2)4
AR373	Building Services and System-I	2 (1,1)3
AR357	Responsive Architecture	2 (2,0)2
Total Credit Hours		18 (9,09)27

Semester-VI

Course Code	Course Title	Credit Hours
AR326	Architectural Design-IV(Prerequisite)	8 (1,7)15
AR318	Theory of Architecture-II	2 (2,0)2
AR310	Architecture in Pakistan	2 (2,0)2
AR319	Vernacular Architecture	2 (2,0)2
AR333	Advanced Computer application for architects	2 (2,0)2
AR374	Building Services and System-II	2 (1,1)3
Total Credit Hours		18 (10,8)26

Semester-VII

Course Code	Course Title	Credit Hours
AR427	Architectural Design-V(Prerequisite)	8 (1,7)15
AR461	Urban Design-I	2 (2,0)2
AR454	Design for Disaster Risk	2 (2,0)2
AR437	Interior Design	3 (3,0)3
AR445	Heritage & Conservation	2 (2,0)2
AR475	Building Services and System-III	2 (1,1)3
Total Credit Hours		19(11,8)27

Semester-VIII

Course Code	Course Title	Credit Hours
AR428	Architectural Design-VI(Prerequisite)	8 (1,7)15
AR462	Urban Design-II	3 (3,0)3
AR481	Architectural Research Methods	2 (2,0)2
AR463	Landscape architecture	2 (2,0)2
AR476	Specification & Quantity Survey	2 (2,0)2
AR456	Universal Design Accessibility	2 (2,0)2
Total Credit Hours		19 (12,7)26

Semester-IX

Course Code	Course Title	Credit Hours
AR529	Thesis Design-I (Prerequisite)	4 (1,3)7
ENG501	English - III	2 (2,0)2
AR583	Professional Practice	2 (2,0)2
AR521	Focus Studio	8 (1,7)15
AR564	Geographic information system(GIS)	2 (2,0)2
Total Credit Hours		18 (8,10)27

Semester-X

Course Code	Course Title	Credit Hours
AR520	Thesis Design-II (Prerequisite)	8 (1,7)15
AR582	Marketing & Entrepreneurship for Architects	2 (2,0)2
AR584	Contract management	2 (2,0)2
AR534	Generative AI	3 (1,2)3
Total Credit Hours		15 (6,9)22

Total Credit Hours = 182

Fact File

Duration: Five Years
Eligibility: Minimum 60% marks in Intermediate or equivalent.
Passing aptitude and drawing test of CECOS.

ARCHITECTURE STUDIOS

Studios where architects endorse creativity and turn ideas into reality.

MASTER OF ARCHITECTURE

This degree program is of a 2 year duration and comprises of four 16-18 week semesters. Total credit hours for the program are 40 (i.e., 33 credit hours of coursework plus 7 credit hours of thesis and research in case of MS by research Plan-A).

In Year-II, selected students will embark on a thesis project (i.e. on basis of their CGPA, as well as synopsis defence); others will have to opt for the non-thesis track (i.e. all 40 credit hours derived from coursework Plan B). Students with unsatisfactory performance in their thesis research will be shifted to the non-thesis track.

SCHEME OF STUDIES

MS Students must accumulate the required 40 credit hours as per the following distribution:

Plan-A (MASTER OF ARCHITECTURE)

Category	Credit Hours
Core Subjects	12
Elective Subjects	21
Thesis	07
Total Credit Hours	40

Plan-B (MASTER OF ARCHITECTURE)

Category	Credit Hours
Core Subjects	12
Elective Subjects	21
Additional Subjects	07
Total Credit Hours	40

MASTER OF ARCHITECTURE

Stream-1 (Urban Design Courses)

Course Code	Subject	Credit Hours
Arch-627	History and Theory of Urban Design	3
Arch-628	Built Form and Regulation	3
Arch-629	Experimental Urban Works	3
Arch-630	Urban Conservation	3
Arch-631	Urban Ecology and Sociology	3
Arch-632	Urban Form Study	3
Arch-633	Urban Economics	3
Arch-634	Urban Management Systems	3
Arch-635	Neighbourhood Revitalisation	3
Arch-604	Interaction of Social & Built Environment	3
Arch-614	Urban Design	3

Stream-2 (Sustainable Design Theory & Orientation)

Course Code	Subject	Credit Hours
Arch-636	Sustainable Design Theory & Orientation	3
Arch-637	Sustainable Design Case Studies	3
Arch-638	Sustainability Management	3
Arch-615	Energy Efficient Architecture	3
Arch-626	Energy Efficient Building Design	3
Arch-626	Sustainable Development	3

Stream-3 (Conservation Studies Courses)

Course Code	Subject	Credit Hours
Arch-639	Architectural Conservation	3
Arch-640	Case Studies in Conservation	3
Arch-603	Architectural Heritage	3
Arch-613	Conservation & Preservation of Architectural Heritage	3

Stream-4 (Theory History & Criticism Courses)

Course Code	Subject	Credit Hours
Arch-641	Meaning in the Built Environment	3
Arch-642	Contemporary Architectural Historiography	3
Arch-643	Mapping Methodologies and Strategies	3
Arch-644	Case Studies in Architectural Analysis	3

Stream-5 (Architectural Graphics & Visualisation Courses)

Course Code	Subject	Credit Hours
Arch-645	Parametric Design and Fabrication	3
Arch-646	Architectural Construction and Industrialization	3
Arch-647	Design Value and Architecture	3
Arch-648	Advanced Presentation and Visualization Techniques	3
Arch-618	Architectural Technology	3

Stream-6 (Architectural Project Management Courses)

Course Code	Subject	Credit Hours
Arch-702	Architectural Project Management	3
Arch-649	Strategic Management	3
Arch-650	Forecasting and Risk Management	3
Arch-651	Forecasting and Risk Management	3
Arch-652	Professional Communication	3
Arch-653	Agile Project Management	3
Arch-654	Program and Portfolio Management	3
Arch-655	Critical Thinking and System Assessment	3
Arch-656	Organizational Project Management	3
Arch-657	Risk Management	3
Arch-658	Project Planning and Management	3
Arch-659	Strategic Change Implementation	3
Arch-660	Form Finding and Fabrication	3
Arch-661	Advance Technology	3
Arch-601	Construction Management	3
Arch-605	Architectural Construction Services	3
Arch-611	Project Evaluation	3
Arch-612	Project Planning & Site Management	3

Stream-7 (Architecture Design Courses)

Course Code	Subject	Credit Hours
Arch-621	Advance Architecture Design Studio-I	3
Arch-622	Advance Architecture Design Studio-II	3
Arch-625	Advance Architecture Design Studio-III (Plan B)	3
Arch-620	Thesis Dissertation (Plan A)	3

Stream-8 (General Studies Courses)

Course Code	Subject	Credit Hours
Arch-602	Research Methodology & Communication skills	3
SS-113	Understanding of Holy Quran - I	0+1
SS-114	Understanding of Holy Quran - II	0+1

FACT FILE ELIGIBILITY

- Minimum 16-year education in relevant field with minimum 2.0 CGPA or 60% marks from University / DAI recognized by HEC and accredited by relevant Accreditation body (PCATP)
- Qualifying GAT-General Test of CECOS University or any other approved testing body (NTS/ETEA)

FACULTY OF COMPUTING & MANAGEMENT SCIENCES

DEPARTMENTS

- Department of Management Sciences
- Department of Computer Science
- Department of Basic Sciences & Humanities

Message From The Dean

Welcome to the Faculty of Computing & Management Sciences at CECOS University a place of innovation, excellence, and growth. Our outstanding faculty, dedicated students, and supportive leadership form the cornerstone of our progress. We are committed to producing globally competent professionals through interdisciplinary programs that prepare students to address real-world challenges with intellectual depth, creativity, and ethical responsibility. Join us to embark on a transformative educational journey and build a career of purpose and distinction.

Dr. Shiraz Khan
Ph.D Management Sciences, CECOS University, Peshawar

PROGRAMS OFFERED

- Bachelor of Business Administration
- BS Accounting and Finance
- BS Business Analytics
- MBA (Business Streams)
- MS Management Sciences
- MS Project Management
- MBA (Non Business Streams)
- Ph.D Management Sciences

MISSION STATEMENT

To develop effective and socially responsible business professionals equipped with insightful knowledge, durable skills, and business acumen.

DEPARTMENT OF MANAGEMENT SCIENCES

Message From The Head Of Department

As the Fourth Industrial Revolution transforms the global landscape, the Department of Management Sciences at CECOS University is dedicated to equipping students with the knowledge and leadership capabilities needed for success in today's dynamic business world. Offering a range of degree programs, practical learning experiences, and mentorship from a distinguished faculty, we provide a holistic environment that nurtures creativity, critical thinking, and professional growth. Join us to pursue originality and excellence in your business journey.

Dr. Muhammad Aleem
Ph.D in Computational Finance, University of Leicester, UK

Dr. Muhammad Aleem
Head of Department,
Associate Professor,
NBEAC Focal Person,
Ph.D Management Sciences, University of Leicester, United Kingdom and QUSIT, Pakistan

Dr. Imran Siddiqi
Assistant Professor
Ph.D Management Sciences,
CECOS University, Peshawar

Mr. Bashir Akbar
Lecturer
MS in Finance,
Institute of Management Studies,
University of Peshawar

Mr. Hamza Khan
Lecturer,
MBA Finance, Institute of Management Studies,
University of Peshawar

Mr. Muhammad Imran
Lecturer
MS in Finance,
Institute of Business & Management Sciences (IBMS),
Peshawar

Dr. Shiraz Khan
Dean, Faculty of Computing and Management Sciences
Associate Professor,
Ph.D Management Sciences, CECOS University

Mr. Ubaid Ullah
Assistant Professor,
Ph.D (In Progress)
Qurtaba University, Peshawar

Ms. Farkhanda Tayyab
Lecturer,
PhD-In Progress, Qurtaba University, Peshawar

Mr. Muhammad Akif
Lecturer,
MS Finance, National University of Modern Languages (NUML), Peshawar

Mr. Muhammad Askar
Lecturer,
MBA Finance, Institute of Management Studies, University of Peshawar

Dr. Farooq Shah
Associate Professor,
Ph.D Management Sciences
University of Peshawar

Mr. Ibrahim Mir
Lecturer,
Ph.D (In Progress)
Institute of Management Sciences, Peshawar

Mr. Shakeel Ahmad
Lecturer,
MS Finance, Institute of Management Sciences, Peshawar

Mr. Sajjad Ahmed
Lecturer,
MS Finance, CECOS University, Peshawar

Ms. Momina Riaz
Lecturer,
MS Finance, Iqra National University, Peshawar

FACULTY MEMBERS OF

MANAGEMENT SCIENCES

Biz Nest

- A Signature Event organized by the Department of Management Sciences

CURRICULUM OF BACHELOR OF BUSINESS ADMINISTRATION

Semester-I

Course Code	Course Title	Credit Hours
ENG-101	Functional English	3
SS-109	Introduction to Sociology	2
*	Introduction to Environmental Science	3
MGT-131	Principles of Management	3
MGT-121	Fundamentals of Marketing	3
MGT-111	Fundamentals of Accounting	3
SS-113	Understanding Quran-I	1
Total Credit Hours		18

Semester-II

Course Code	Course Title	Credit Hours
SS-114	Understanding Quran-II	1
CS-110	Applications of Information & Communication Technologies	2+1
ENG-102	Expository Writing	3
SS-101	Islamic Studies	2
MGT-241	Business Statistics	3
MGT-112	Financial Accounting	3
MGT-122	Marketing Management	3
Total Credit Hours		18

Semester-III

Course Code	Course Title	Credit Hours
SS-108	Introduction to Psychology	3
MGT-341	Statistical Inference	3
ENG-203	English-III	3
SS-104	Introduction to Philosophy	2
MGT-211	Cost and Management Accounting	3
MGT-201	Business Mathematics	3
Total Credit Hours		17

Semester-IV

Course Code	Course Title	Credit Hours
MGT-442	Quantitative Techniques in Management	3
SS-204	Civic and Community Engagement	2
MGT-431	Entrepreneurship	3
SS-203	Ideology and Constitution of Pakistan	2
MGT-231	Human Resource Management	3
SS-102	Pakistan Studies	2
MGT-212	Introduction to Business Finance	3
Total Credit Hours		18

Semester-V

Course Code	Course Title	Credit Hours
MGT-302	Corporate and Business Law	3
SS-208	Foreign Language	3
MGT-321	Consumer Behaviour	3
MGT-101	Micro Economics	3
MGT-311	Financial Management	3
MGT-333	Project Management	3
		18

Semester-VI

Course Code	Course Title	Credit Hours
SS-106	Logic & Critical Thinking	3
MGT-331	Organization Behavior	3
MGT-303	Corporate Social Responsibility	3
MGT-441	Business Research Methods	3
MGT-203	Macro Economics	3
MGT-204	Pakistan Economy	3
		18

Semester-VII

Course Code	Course Title	Credit Hours
MGT-401	Management Information System	3
MGT-334	Supply Chain Management	3
	Internship	3
	Specialization Courses 1	3
	Specialization Courses 2	3
Total Credit Hours		15

Semester-VIII

Course Code	Course Title	Credit Hours
MGT-332	Strategic Management	3
	Specialization Courses 3	3
	Specialization Courses 4	3
	Final Year Project	3
Total Credit Hours		12

Total Credit Hours = 134

Fact File

Duration: Four Years
Eligibility: Minimum 45% marks in Intermediate or equivalent.
Passing aptitude test of CECOS.

CURRICULUM OF BS ACCOUNTING & FINANCE

Semester-I

Course Code	Course Title	Credit Hours
ENG-101	Functional English	3
SS-109	Introduction to Sociology	2
*	Introduction to Environmental Science	3
MGT-131	Principles of Management	3
MGT-121	Fundamentals of Marketing	3
MGT-111	Fundamentals of Accounting	3
SS-113	Understanding Quran-I	1
Total Credit Hours		18

Semester-II

Course Code	Course Title	Credit Hours
SS-114	Understanding Quran-II	1
CS-110	Applications of Information & Communication Technologies	2+1
ENG-102	Expository Writing	3
SS-101	Islamic Studies	2
MGT-241	Business Statistics	3
MGT-112	Financial Accounting	3
MGT-151	Introduction to Business	3
Total Credit Hours		18

Semester-III

Course Code	Course Title	Credit Hours
SS-108	Introduction to Psychology	3
MGT-341	Statistical Inference	3
ENG-203	English-III	3
SS-104	Introduction to Philosophy	2
MGT-211	Cost and Management Accounting	3
MGT-201	Business Mathematics	3
Total Credit Hours		17

Semester-IV

Course Code	Course Title	Credit Hours
MGT-262	Business Taxation	3
SS-204	Civic and Community Engagement	2
MGT-431	Entrepreneurship	3
SS-203	Ideology and Constitution of Pakistan	2
MATHS-105	Calculus	3
SS-203	Pakistan Studies	2
MGT-212	Introduction to Business Finance	3
Total Credit Hours		18

Semester-V

Course Code	Course Title	Credit Hours
MGT-302	Corporate and Business Law	3
SS-208	Foreign Language	3
MGT-161	Advanced Taxation	3
MGT-101	Economics	3
MGT-311	Financial Management	3
MGT-333	Project Management	3
Total Credit Hours		18

Semester-VI

Course Code	Course Title	Credit Hours
SS-106	Logic and Critical Thinking	3
MGT-261	Audit and Assurance	3
MGT-361	Financial Institutions and Markets	3
MGT-331	Organizational Behavior	3
MGT-441	Business Research Methods	3
MGT-303	Corporate Social Responsibility	3
Total Credit Hours		18

Semester-VII

Course Code	Course Title	Credit Hours
MGT-362	Performance Management	3
MGT-462	Computer Application in Finance	3
	Accounting/Finance Elective - 1	3
	Accounting/Finance Elective - 2	3
	Internship	3
Total Credit Hours		15

Semester-VIII

Course Code	Course Title	Credit Hours
MGT-411	Corporate Finance	3
	Accounting/Finance Elective - 3	3
	Accounting/Finance Elective - 4	3
	Final Year Project	3
Total Credit Hours		12

Total Credit Hours = 134

Fact File

Duration: Four Years
Eligibility: Minimum 45% marks in Intermediate or equivalent.
Passing aptitude test of CECOS.

CURRICULUM OF BACHELOR OF SCIENCE IN BUSINESS ANALYTICS

Semester-I

Course Code	Course Title	Credit Hours
ENG-101	Functional English	3
SS-109	Introduction to Sociology	2
*	Introduction to Environmental Science	3
MGT-131	Principles of Management	3
*	Data Analysis for Business I	3
MGT-111	Fundamentals of Accounting	3
SS-113	Understanding Quran-I	1
Total Credit Hours		18

Semester-II

Course Code	Course Title	Credit Hours
SS-114	Understanding Quran-II	1
CS-110	Applications of Information and Communication Technologies	3
ENG-102	Expository Writing	3
SS-101	Islamic Studies	3
MGT-241	Business Statistics	3
MGT-112	Financial Accounting	3
MGT-122	Marketing Management	3
Total Credit Hours		18

Semester-III

Course Code	Course Title	Credit Hours
SS-108	Introduction to Psychology	3
MGT-341	Statistical Inference	3
ENG-203	English-III	3
SS-104	Introduction to Philosophy	2
MGT-201	Business Mathematics	3
*	Data Analysis for Business II	3
Total Credit Hours		17

Semester-IV

Course Code	Course Title	Credit Hours
*	Fundamentals of Business Analytics	3
SS-204	Civic and Community Engagement	2
*	Technopreneurship	3
SS-203	Ideology and Constitution of Pakistan	2
*	Machine Learning for Business Analytics	3
SS-102	Pakistan Studies	2
*	Database Systems for Business	3
Total Credit Hours		18

Semester-V

Course Code	Course Title	Credit Hours
*	Legal and Ethical Issues in Business Analytics	3
SS-208	Foreign Language	3
*	Data Structures & Business Applications	3
MGT-101	Introduction To Macroeconomics	3
MGT-311	Project Management	3
*	Decision Science for Business	3
Total Credit Hours		18

Semester-VI

Course Code	Course Title	Credit Hours
SS-106	Logic & Critical Thinking	3
*	Data Structures & Business Applications	3
*	Business Analysis and Forecasting	3
*	Research Methods for Data Analytics	3
MGT-203	Financial Management	3
*	Predictive Analytics for Business	3
Total Credit Hours		18

Semester-VII

Course Code	Course Title	Credit Hours
MGT-401	Business Intelligence Tools and Techniques	3
MGT-334	Business Data and Text Mining	3
	Internship	3
	Specialization Courses 1	3
	Specialization Courses 2	3
Total Credit Hours		15

Semester-VIII

Course Code	Course Title	Credit Hours
MGT-332	Artificial Intelligence in Business	3
	Data Analytics for Strategic Management	3
	Specialization Courses 3	3
	Specialization Courses 4	3
	Final Year Project	3
Total Credit Hours		15

Total Credit Hours = 137

Fact File

Duration: Four Years
Eligibility: Minimum 45% marks in Intermediate or equivalent.
Passing aptitude test of CECOS.

CURRICULUM OF MS Management Sciences

Core Courses

Course Code	Course Title	Credit Hours
MS-601	Advanced Strategic Management	3
MS-602	Advanced Research Methodology	3
MS-606	Advanced Quantitative Techniques	3
MS-604	Strategic Marketing	3
SS-113	Understanding of Holy Quran-I	1
SS-114	Understanding of Holy Quran-II	1

Thesis

Course Code	Course Title	Credit Hours
MGT-699	MS Thesis	6

Specialization/Elective Courses

Course Code	Course Title	Credit Hours
MS-623	Corporate Governance	3
MS-621	Staffing & Performance Management	3
MS-622	Human Behavior in Organization	3
MS-624	Change Management	3
MS-625	Human Resource Development	3
MS-626	Strategic Human Resource Management	3
MS-627	International Labor Law	3
MS-628	Conflict Management	3
MS-631	Trends in Global Marketing	3
MS-632	Ethics in Marketing	3
MS-633	Customer Relationship Management	3
MS-634	Advanced Sales Management	3
MS-635	Services Marketing	3
MS-636	Contemporary Issues in Marketing	3
MS-642	Supply Chain Management	3
MS-643	Issues in Digital Marketing	3
MS-661	Sociology and Human Behavior	3

Specialization/Elective Courses

Course Code	Course Title	Credit Hours
MS-610	Portfolio Management	3
MS-611	Advanced Corporate Finance	3
MS-612	Financial Risk Management	3
MS-613	International Banking & Finance	3
MS-614	Islamic Financial System	3
MS-615	Advance Financial Statement Analysis	3
MS-603	Strategic Finance	3

Specialization/Elective Courses

Course Code	Course Title	Credit Hours
MS-662	Advance Econometrics	3
MS-663	Contemporary issues in Management	3
MS-664	Organization Theory and Design	3
MS-665	Mathematical Modeling for Management	3
MS-666	Emerging Issues in Leadership and Motivation	3
MS-667	Financial Institutions & Markets	3
MS-668	Qualitative Research Methods	3
MS-669	Corporate Ethics and Social Responsibility	3
MS-670	Marketing Strategy and Management	3
IS-1	Independent Study-I	3
IS-2	Independent Study-II	3

Specialization / Elective courses are not limited to the above courses can be offered based on market demand and resource availability.

Eligibility Criteria:

- Minimum 16-year education in business Schooling with minimum 2.0 CGPA or 60% marks from University / DAI recognized by HEC.
- Qualifying GAT-General Test of CECOS University or any other approved testing body (NTS/ETEA)

CURRICULUM OF MASTER OF BUSINESS ADMINISTRATION (MBA)

Core Courses

Course Code	Course Title	Credit Hours
MS-601	Advanced Strategic Management	3
MS-602	Advanced Research Methodology	3
MS-606	Advanced Quantitative Techniques	3
MS-604	Strategic Marketing	3
SS-113	Understanding of Holy Quran-I	1
SS-114	Understanding of Holy Quran-II	1

Thesis

Course Code	Course Title	Credit Hours
MGT-699	MBA Thesis	6

Specialization/Elective Courses

Course Code	Course Title	Credit Hours
MS-623	Corporate Governance	3
MS-621	Staffing & Performance Management	3
MS-622	Human Behavior in Organization	3
MS-624	Change Management	3
MS-625	Human Resource Development	3
MS-626	Strategic Human Resource Management	3
MS-627	International Labor Law	3
MS-628	Conflict Management	3
MS-631	Trends in Global Marketing	3
MS-632	Ethics in Marketing	3
MS-633	Customer Relationship Management	3
MS-634	Advanced Sales Management	3
MS-635	Services Marketing	3
MS-636	Contemporary Issues in Marketing	3
MS-642	Supply Chain Management	3
MS-643	Issues in Digital Marketing	3
MS-661	Sociology and Human Behavior	3

Specialization/Elective Courses

Course Code	Course Title	Credit Hours
MS-610	Portfolio Management	3
MS-611	Advanced Corporate Finance	3
MS-612	Financial Risk Management	3
MS-613	International Banking & Finance	3
MS-614	Islamic Financial System	3
MS-615	Advance Financial Statement Analysis	3
MS-603	Strategic Finance	3

Specialization/Elective Courses

Course Code	Course Title	Credit Hours
MS-662	Advance Econometrics	3
MS-663	Contemporary issues in Management	3
MS-664	Organization Theory and Design	3
MS-665	Mathematical Modeling for Management	3
MS-666	Emerging Issues in Leadership and Motivation	3
MS-667	Financial Institutions & Markets	3
MS-668	Qualitative Research Methods	3
MS-669	Corporate Ethics and Social Responsibility	3
MS-670	Marketing Strategy and Management	3
IS-1	Independent Study-I	3
IS-2	Independent Study-II	3

Specialization / Elective courses are not limited to the above courses can be offered based on market demand and resource availability.

Eligibility Criteria:

- Minimum 16-year education in business Schooling with minimum 2.0 CGPA or 60% marks from University / DAI recognized by HEC.
- Qualifying GAT-General Test of CECOS University or any other approved testing body (NTS/ETEA)

CURRICULUM OF MBA (Non Business)

Semester I

Course Title	Credit Hours
Financial Accounting	3
Principles of Management	3
Business Finance	3
Micro-Economic	3
Principles of Marketing	3
Statistical Inference	3

Semester II

Course Title	Credit Hours
Financial Management	3
Cost Accounting	3
Human Resource Management	3
Marketing Management	3
Business Statistics	3
Macro-Economic	3

Semester III

Course Title	Credit Hours
Supply chain Management	3
Econometrics	3
Business Research Methods	3
Specialization I	3
Specialization II	3

Semester IV

Course Title	Credit Hours
International Business	3
Specialization III	3
Specialization IV	3
Thesis / Dissertation / Project (Optional) 2 courses instead of Research	6

Finance - Elective Courses

Course Title
Corporate Finance
Financial reporting and analysis
Financial risk management
Investment analysis and portfolio management
Financial Derivatives
Financial Markets and Institutions
Strategic Finance

Marketing - Elective Courses

Course Title
Advertising
Brand management
Customer Relations management
Digital marketing
Service Marketing
Ethics in Marketing
Advance Sales Management

HRM - Elective courses

Course Title	Credit Hours
Change Management Practices	3
Conflict and Negotiation management	3
Strategic Human Resource Management	3
Salary and compensation management	3
Case studies in HRM	3
HR Analytics	3
Human Resource Management in Service Sector	3

Supply Chain Management - Elective Courses

Course Title	Credit Hours
Logistics Management	3
Supply Management	3
Supply Chain Strategies	3
Enterprise System	3
Production and Operation Management	3
Supply Chain Analytics	3

Healthcare Management - Elective Courses

Course Title	Credit Hours
Healthcare Operations & Quality Management	3
Healthcare Policy and Regulations	3
Healthcare Economics and Finance	3
Digital Health and Information Systems	3
Hospital Administration and Leadership	3

Taxation Management - Elective Courses

Course Title	Credit Hours
Fundamentals of Taxation	3
Corporate Taxation and Compliance	3
International Taxation and Treaties	3
Tax Planning and Strategy	3
Digital Taxation and E-Governance	3
Tax Audits and Investigations	3

Eligibility Criteria:

- Minimum 16-year education in any field with minimum 2.0 CGPA or 60% marks from University / DAI recognized by HEC.
- Qualifying GAT-General Test of CECOS University or any other approved testing body (NTS/ETEA)

CURRICULUM OF MS Project Management

Core Courses

Course Code	Course Title	Credit Hours
PM-601	Fundamentals of Project Management	3
PM-603	Project Planning, Scope & Schedule Management	3
PM-604	Project Resources, Cost & Finance Management	3
MS-602	Advance Research Methodology	3
SS-113	Understanding of Holy Quran-I	1
SS-114	Understanding of Holy Quran-II	1

Elective Courses

Course Code	Course Title	Credit Hours
PM-611	Project Quality & Risk Management	3
PM-612	Project Stakeholder & Communication Management	3
PM-613	Project Procurement & Contract Management	3
PM-614	Project Monitoring, Evaluation and Control Management	3
PM-615	Project Integration & Supply Chain Management	3
PM-616	Innovation and Technology Management	3
PM-617	Computer Applications in Project Management	3
PM-618	Project Review, Assurance and Governance	3
PM-619	Human Resource Management for Project Managers	3

Elective Courses

Course Code	Course Title	Credit Hours
PM-620	Cost Benefit Analysis in Project Management	3
PM-621	Economics of Project Management	3
PM-622	Project Management Maturity Model	3
PM-623	Conflict Management in Projects	3
PM-624	Program and Portfolio Management	
PM-625	Management of Government Projects	3
PM-626	Project Manager Competency Development	3
PM-627	Technology Transfer & Management	3
PM-628	Problem Solving and Decision Making	3

Eligibility Criteria:

- Minimum 16-year education in any field with minimum 2.0 CGPA or 60% marks from University / DAI recognized by HEC.
- Qualifying GAT-General Test of CECOS University or any other approved testing body (NTS/ETEA)

CURRICULUM OF Ph.D Management Sciences

Core Courses (at least 3 courses)

Course Code	Course Title	Credit Hours
MGT-810	Advance Strategic Management	3
MGT-811	Advanced Business Research Methods	3
MGT-812	Advanced Qualitative Research Methods	3
MGT-813	Advanced Quantitative Research Methods	3
MGT-814	Advanced Strategic Marketing	3
SS-113	Understanding of Holy Quran-I	1
SS-114	Understanding of Holy Quran-II	1

Thesis

Course Code	Course Title	Credit Hours
MGT-899	PhD Research Thesis	36

Elective Courses

Course Code	Course Title	Credit Hours
MGT-704	Strategies in Global Marketing	3
MGT-715	Organizational Change & Transformation	3
MGT-800	Strategic Brand Management	3
MGT-815	Leadership and Organizational Theory	3
MGT-830	Advanced Strategic Financial Management	3
MGT-831	Advanced Financial Risk Management	3
MGT-832	Advanced Financial Institutions and Markets	3
MGT-833	Security Analysis and Portfolio Management	3
MGT-834	Advanced Change Management Practices	3
MGT-835	Advanced Conflict Resolution Techniques	3
MGT-836	Advanced Strategic Human Resource Management	3

Elective Courses

Course Code	Course Title	Credit Hours
MGT-837	Advanced Services Marketing and Management	3
MGT-838	Advanced Customer Relationship Management	3
MGT-839	Selling and Sales Management	3
MGT-840	Ethical Branding and Marketing	3

Specialization / Elective courses are not limited to the above courses can be offered based on market demand and resource availability.

Eligibility Criteria:

- Minimum 18-year Master Degree (Research Based) in relevant field with minimum 3 CGPA from HEC recognized University.
- Those who have Completed Master degree by course work will be required to publish one research paper in HEC recognized Journal prior to admissions.

DEPARTMENT OF

COMPUTER SCIENCE

PROGRAMS OFFERED

- BS Computer Science
- BS Software Engineering
- BS Artificial Intelligence
- BS Computer Enginering
- MS Computer Science
- MS Software Engineering
- Ph.D Computer Science

MISSION STATEMENT

To impart computing knowledge, problem solving techniques, and practical skills to our graduates with a high level of professionalism and ethical values for addressing the challenges of modern society through innovative solutions.

Message From The Head Of Department

The Department of Computer Science at CECOS University is committed to producing computing professionals who possess technical excellence, innovative thinking, and a strong ethical foundation. Our programs are designed to equip students with the skills necessary to address modern challenges in technology and society. With an emphasis on lifelong learning, teamwork, and industry relevance, we empower our students to excel in their careers and make meaningful contributions to the digital world. Join us as we shape the future of computing through excellence and innovation.

Dr. Maryam Mahsal Khan

Associate Professor – Ph.D Computer Science, University of Newcastle, Australia

Dr. Maryam Mahsal Khan
Associate Professor/ Head of Department
Ph.D Computer Science, University of Newcastle, Australia

Mr. Attiq ur Rehman
Assistant Professor
MS Computer Science Agriculture University, Peshawar
Ph.D (in Progress)

Mr. Zahid Sarwar
Assistant Professor/FYP coordinator(CS)
MS Computer Science, CECOS University

Mr. Arshad Iqbal
Lecturer/FYP coordinator (SE)
MS Computer Science, Agriculture University, Peshawar

Waqas Siddiqui
Program Manager CS, CE, MS Management Sciences
Abasyn University.

Miss. Arshi Pervaiz
Lecturer
MS Computer Science, NUST Islamabad

Mr. Zaheer Aslam
Lecturer
MS Computer Science, Gandahara University, Peshawar

Mr. Nasir Sayed
Lecturer
MS Computer Science, Islamia College, Peshawar
PhD (in Progress)

Engr. Ahmad Junaid
Lecturer
M.Sc Computer System Engineering, UET, Peshawar

Mr. Rahmat Shah
Lecturer
MS Computer Science, Agriculture University, Peshawar
PhD (in Progress)

Mr. Junaid Yousaf
Lecturer
MS Computer Science, GIKI Swabi.

Mr. Shahriaz Zeb
Lecturer
MS Computer Science, CECOS University,

Mr. Sikander Azam
Lecturer
MS Computer Science, CECOS University,

Mr. Hamid Mehmood
Junior Lecturer
BS Computer Science, City University
MS (in Progress)

Dr. Kifayat Ullah
Associate Professor
Ph.D Computer Science,
University of Sao Paulo(USP), Sao Carlos, Barzil

Dr. Mansoor Qadir
Associate Professor
Ph.D Computer Science, Iqra National University,

Miss. Mona Khalid
Assistant Professor
MS Computer Science, CECOS University
MS(HRM) Gomal University, D.I.Khan

Tauseeq ur Rehman
Program Manager AI, SE, MS Computer Science,
CECOS University

Mr. Asad Iftikhar (On Leave)
Lecturer
MS Wireless Networks, University of London, UK

Mr. Shiraz Hassan
Lecturer
MS Computer Science, CECOS University

Mr. Wisal Zafar
Lecturer/ MS Software Engineering
Iqra National University

Mr. Kamal Ahmad
Lecturer
MS Software Engineering, Gandhara University

Mr. Muhammad Yahya
Lecturer
MS Computer Science, Qurtuba University

Mr. Muhammad Younas
Lecturer
MS Computer Engineering, UET Taxila

Adnan Sher
Lecturer
MS Computer Engineering, GIKI Swabi.

Ms Hijab Durrani
Junior Lecturer
BS Software Engineering, IMSciences
MS Software Engineering (in progress)

Mrs. Manahil Ather
Junior Lecturer
BS Software Engineering, CECOS University

Mr. Hamza Noman
Junior Lecturer
BS Software Engineering, CECOS University

Mr. Ibtisam Khan
Junior Lecturer
BS Software Engineering, CECOS University

Dr. Ghassan Husnain
Associate Professor
Ph.D Mechatronics Engineering
UET Peshawar

Mr. Col. Ashfaq Ahmad
Associate Professor
MSc Computer System Engineering, NUST, Islamabad

Mr. Abdul Hanan
Assistant Professor
MS Computer Science, CECOS University

Mr. Muhammad Shoaib
Lecturer
MS Computer Science, Islamia College, Peshawar
Ph.D (in Progress)

Asad Khan
Lecturer
MS Computer Science, IMSciences

Mr. Kashif Aman
Lecturer
MS Computer Science, Bahria University Islamabad

Mr. Aakash Ahmad
Lecturer
MS Computer Science (Software Engineering)
CECOS University

Mr. Muhammad Bilal Khan
Lecturer
MS Computer Networks
London Metropolitan University, UK

Mr. Saifullah Khan
Lecturer
MSc. Advanced Computer Networking
Glasgow Caledonian University, UK

Mr. Asad Javed
Lecturer
MS Computer Science, CECOS University

Mr. Jalal Khan
Junior Lecturer
BS Computer Science, Adul wali khan University
MS (in Progress)

Mr. Muhammad Musab Abdullah
Junior Lecturer
BS Computer Science, Agriculture University
MS (in Progress)

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Junior Lecturer
BS Software Engineering, CECOS University

FACULTY MEMBERS OF
COMPUTER SCIENCE









Dig Tech

- A Signature Event organized by the Department of Computer Science. Dig Tech is Biggest Tech Event of KPK held every year at CECOS

CURRICULUM OF BS COMPUTER SCIENCE

Semester-I

Course Code	Course Title	Credit Hours Theory + Lab
CS-110	Applications of Information and Communication Technologies	2+1
CS-112	Programming Fundamentals	3+1
ENG-101	Functional English	3+0
MATH-106	Calculus and Analytical Geometry	3+0
CS-111	Discrete Structures	3+0
SS-101	Islamic Studies	2+0
SS-111	Ethics (For Non Muslims)	2+0
Math-103	Pre-Calculus 1 (Pre Medical Students only)	3+0
Total Credit Hours		18

Semester-II

Course Code	Course Title	Credit Hours Theory + Lab
CS-113	Object Oriented Programming	3+1
MATH-204	Multivariable Calculus	3+0
CS-114	Database Systems	3+1
MATH-107	Linear Algebra	3+0
NS-101	Applied Physics	3+0
Math-104	Pre-Calculus 2 (Pre Medical Students only)	3+0
Total Credit Hours		17

Semester-III

Course Code	Course Title	Credit Hours Theory + Lab
CS-222	Operating Systems	2+1
CS-220	Software Engineering	3+0
SS-215	Digital Logic Design	2+1
CS-216	Data Structures	3+1
ENG-102	Expository Writing	3+0
MGT-246	Introduction to Entrepreneurship	2+0
Total Credit Hours		18

Semester-IV

Course Code	Course Title	Credit Hours Theory + Lab
CS-223	Analysis of Algorithms	3+0
CS-221	Computer Organization & Assembly Language	2+1
CS-230	Theory of Automata	3+0
CS-218	Artificial Intelligence	2+1
ENG-203	English 3 / Technical & Business writing	3+0
SS-203	Ideology & Constitution of Pakistan	2+0
Total Credit Hours		17

Semester-V

Course Code	Course Title	Credit Hours Theory + Lab
CS-333	Computer Architecture	3+0
CS-319	Computer Networks	2+1
CS-332	HCI & Computer Graphic	2+1
CS-34x	DElective-I	2+1
CS-34x	DElective-II	2+1
Math-211	Probability & Statistics	3+0
Total Credit Hours		18

Semester-VI

Course Code	Course Title	Credit Hours Theory + Lab
CS-317	Information Security	2+1
CS-34x	DElective-III	3+0
CS-34x	DElective-IV	2+1
CS-34x	DElective-V	2+1
CS-34x	DElective-VI	2+1
CS-331	Advance data Base Management systems	2+1
Total Credit Hours		18

Semester-VII

Course Code	Course Title	Credit Hours Theory + Lab
CS-424	Final Year Project - I	0+2
CS-435	Parallel & Distributed Computing	3+0
CS-108	Professional Practices	2+0
CS-44x	DElective VII	2+1
SS-105	Introduction to Economics	2+0
SS-113	Understanding of Holy Quran-I	0+1
Total Credit Hours		13

Semester-VIII

Course Code	Course Title	Credit Hours Theory + Lab
CS-425	Final Year Project - II	0+4
CS-434	Compiler Construction	2+1
SS-204	Civics & Community Engagement	2+0
SS-102	Pakistan Studies	2+0
MGT-121	Introduction to Marketing	3+0
SS-114	Understanding of Holy Quran-II	0+1
Total Credit Hours		15

Total Credit Hours = 134

Fact File

Duration: Four Years

Eligibility: Minimum 50% marks in intermediate or equivalent with mathematics / minimum 50% marks in intermediate (without mathematics) with two deficiency courses of mathematics to be studied and passed in 1st and 2nd semester after admission. Passing aptitude test of CECOS.

CURRICULUM OF BS SOFTWARE ENGINEERING

Semester-I

Course Code	Course Title	Credit Hours Theory + Lab
CS-110	Applications of Information and Communication Technologies	2+1
CS-112	Programming Fundamentals	3+1
ENG-101	Functional English	3+0
MATH-106	Calculus and Analytical Geometry	3+0
CS-111	Discrete Structures	3+0
SS-101	Islamic Studies	2+0
SS-111	Ethics (For Non Muslims)	2+0
Math-103	Pre-Calculus 1 (Pre Medical Students only)	3+0
Total Credit Hours		18

Semester-II

Course Code	Course Title	Credit Hours Theory + Lab
CS-113	Object Oriented Programming	3+1
MATH-204	Multivariable Calculus	3+0
CS-114	Database Systems	3+1
MATH-107	Linear Algebra	3+0
NS-101	Applied Physics	3+0
MATH-104	***Pre-Calculus II (Pre-Medical Students Only)	3+0
Total Credit Hours		17

Semester-III

Course Code	Course Title	Credit Hours Theory + Lab
CS-222	Operating Systems	2+1
CS-220	Software Engineering	3+0
CS-215	Digital Logic Design	2+1
CS-216	Data Structures	3+1
ENG-102	Expository Writing	3+0
MGT-246	Introduction to Entrepreneurship	2+0
Total Credit Hours		18

Semester-IV

Course Code	Course Title	Credit Hours Theory + Lab
CS-223	Analysis of Algorithms	3+0
CS-221	Computer Organization & Assembly Language	2+1
SS-203	Ideology and Constitution of Pakistan	2+0
CS-218	Artificial Intelligence	2+1
SE-x4x	DElective 1	3+0
SE-x4x	DElective 2	2+1
Total Credit Hours		17

Semester-V

Course Code	Course Title	
CS-319	Computer Networks	2+1
SE-331	Software Construction & Development	2+1
SE-330	Software Design & Architecture	3+0
SE-333	Software Quality Engineering	2+1
SE-334	Software Requirement Engineering	2+1
SE-x4x	DElective 3	2+1
Total Credit Hours		18

Semester-VI

Course Code	Course Title	Credit Hours Theory + Lab
SE-332	Software Project Management	2+1
SE-335	Parallel & Distributed Computing	3+0
SE-x4x	DElective 4	3+0
SE-x4x	DElective 5	3+0
SE-x4x	DElective 6	2+1
SE-x4x	DElective 7	3+0
Total Credit Hours		18

Semester-VII

Course Code	Course Title	Credit Hours Theory + Lab
CS-417	Information Security	2+1
MATH-211	Probability & Statistics	3+0
CS-424	Final Year Project - I	0+2
CS-108	Professional Practices	2+0
SS-105	Introduction to Economics	2+0
SS-113	Understanding of Holy Quran - I	0+1
Total Credit Hours		13

Semester-VIII

Course Code	Course Title	Credit Hours Theory + Lab
CS-425	Final Year Project - II	0+4
ENG-203	English III/ Technical & Business Writing	3+0
SS-204	Civics and Community Engagement	2+0
SS-102	Pakistan Studies	2+0
MGT-121	Introduction to Marketing	3+0
SS-114	Understanding of Holy Quran - II	0+1
Total Credit Hours		15

Total Credit Hours = 134

Fact File

Duration: Four Years

Eligibility: Minimum 50% marks in intermediate or equivalent with mathematics / minimum 50% marks in intermediate (without mathematics) with two deficiency courses of mathematics to be studied and passed in 1st and 2nd semester after admission. Passing aptitude test of CECOS.

CURRICULUM OF BS ARTIFICIAL INTELLIGENCE

Semester-I

Course Code	Course Title	Credit Hours Theory	Lab
CS-110	Applications of Information and Communication Technologies	2	1
CS-112	Programming Fundamentals	3	1
ENG-101	Functional English	3	0
MATH-106	Calculus and Analytical Geometry	3	0
CS-111	Discrete Structures	3	0
SS-101	Islamic Studies	2	0
SS-111	Ethics (For Non Muslims)	2	0
Math-103	Pre-Calculus 1 (Pre Medical Students only)	3	0
Total Credit Hours		16	2

Semester-II

Course Code	Course Title	Credit Hours Theory	Lab
CS-113	Object Oriented Programming	3	1
MATH-204	Multivariable Calculus	3	0
CS-114	Database Systems	3	1
MATH-107	Linear Algebra	3	0
NS-101	Applied Physics	3	0
MATH-104	*Pre-Calculus II (Pre-Medical Students Only)	3	0
Total Credit Hours		15	2

Semester-III

Course Code	Course Title	Credit Hours Theory	Lab
CS-222	Operating Systems	2	1
CS-220	Software Engineering	3	0
CS-216	Data Structures	3	1
CS-115	Digital Logic Design	2	1
CS-218	Artificial Intelligence	2	1
SS-203	Ideology and Constitution of Pakistan	2	0
Total Credit Hours		14	4

Semester-IV

Course Code	Course Title	Credit Hours Theory	Lab
CS-221	Computer Organization & Assembly Language	2	1
AI-230	Programming for AI	2	1
CS-219	Computer Networks	2	1
MATH-211	Probability & Statistics	3	0
AI-231	Machine Learning	3	0
ENG-102	Expository Writing	3	0
Total Credit Hours		15	3

Semester-V

Course Code	Course Title	Credit Hours Theory	Lab
CS-323	Analysis of Algorithms	3	0
CS-317	Information Security	2	1
AI-34x	DElective 1	2	1
AI-34x	DElective 2	2	1
AI-34x	DElective 3	2	1
MGT-246	Introduction to Entrepreneurship	2	0
Total Credit Hours		13	4

Semester-VI

Course Code	Course Title	Credit Hours Theory	Lab
AI-332	Artificial Neural Networks & Deep Learning	2	1
AI-334	Computer Vision	2	1
AI-34x	DElective 4	2	1
AI-35x	DElective 5	3	0
AI-35x	DElective 6	2	0
SS-204	Civics and Community Engagement	2	0
Total Credit Hours		14	3

Semester-VII

Course Code	Course Title	Credit Hours Theory	Lab
AI-435	Parallel & Distributed Computing	3	0
AI-433	Knowledge Representation & Reasoning	2	1
CS-108	Professional Practices	2	0
SS-105	Introduction Economics	2	0
CS-424	Final Year Project - I	0	2
SS-113	Understanding of Holy Quran - I	0	1
Total Credit Hours		9	4

Semester-VIII

Course Code	Course Title	Credit Hours Theory	Lab
Eng-203	English III/ Technical & Business Writing	3	0
AI-44x	DElective 7	2	1
SS-102	Pakistan Studies	2	0
CS-425	Final Year Project - II	0	4
MGT-121	Introduction to Marketing	3	0
SS-114	Understanding of Holy Quran - II	0	1
Total Credit Hours		10	6

Total Credit Hours = 134

Fact File

Duration: Four Years

Eligibility: Minimum 50% marks in intermediate or equivalent with mathematics / minimum 50% marks in intermediate (without mathematics) with two deficiency courses of mathematics to be studied and passed in 1st and 2nd semester after admission.
Passing aptitude test of CECOS.

CURRICULUM OF BS COMPUTER ENGINEERING

Semester-I

Course Code	Course Title	Credit Hours Theory + Lab
CS-110	Applications of Information and Communication Technologies	2+1
CS-112	Programming Fundamentals	3+1
ENG-101	Functional English	3+0
MATH-106	Calculus & Analytical Geometry	3+0
COMP-130	Linear Circuit Analysis	3+0
SS-101	Islamic Studies	2+0
SS-111	Ethics (For Non Muslims)	2+0
Math-103	Pre-Calculus 1 (Pre Medical Students only)	3+0
Total Credit Hours		18

Semester-II

Course Code	Course Title	Credit Hours Theory + Lab
CS-113	Object Oriented Programming	3+1
MATH-204	Multivariable Calculus	3+0
CS-114	Database Systems	3+1
NS-101	Applied Physics	3+0
COMP-132	Electronic Devices & Circuits	2+1
MATH-104	*Pre-Calculus II (Pre-Medical Students Only)	3+0
Total Credit Hours		17

Semester-III

Course Code	Course Title	Credit Hours Theory + Lab
COMP-231	Electrical Network Analysis	2+1
CS-220	Software Engineering	3+0
CS-215	Digital Logic Design	2+1
MATH-211	Probability & Statistics	3+0
CS-219	Computer Networks	2+1
CS-223	Analysis of Algorithms	3+0
Total Credit Hours		18

Semester-IV

Course Code	Course Title	Credit Hours Theory + Lab
CS-221	Computer Organization & Assembly Language	2+1
CS-111	Discrete Structures	3+0
CS-216	Data Structures	3+1
MATH-107	Linear Algebra	3+0
CS-108	Professional Practice	2+0
COMP-234	Signals & System	2+1
Total Credit Hours		18

Semester-V

Course Code	Course Title	
CS-322	Operating Systems	2+1
CS-318	Artificial Intelligence	2+1
COMP-34x	DElective 1	2+1
COMP-333	Computer Architecture	3+0
ENG-102	Expository Writing	3+0
SS-105	Introduction to Economics	2+0
Total Credit Hours		17

Semester-VI

Course Code	Course Title	Credit Hours Theory + Lab
CS-317	Information Security	2+1
COMP-335	Parallel & Distributed Computing(2-1)	3+0
COMP-34x	DElective 2	2+1
COMP-34x	DElective 3	3+0
COMP-34x	DElective 4	2+1
ENG-203	English III / Technical & Business Writing	3+0
Total Credit Hours		18

Semester-VII

Course Code	Course Title	Credit Hours Theory + Lab
COMP-44x	DElective 5	2+1
COMP-45x	DElective 6	2+1
SS-203	Ideology & Constitution of Pakistan	2+0
MGT-246	Introduction to Entrepreneurship	2+0
CS-424	Final Year Project - I	0+2
SS-113	Understanding of Holy Quran - I	0+1
Total Credit Hours		13

Semester-VIII

Course Code	Course Title	Credit Hours Theory + Lab
COMP-45x	DElective 7	3+0
SS-102	Pakistan Studies	2+0
CS-425	Final Year Project - II	0+4
MGT-121	Introduction to Marketing	3+0
SS-204	Civics and Community Engagement	2+0
SS-114	Understanding of Holy Quran - II	0+1
Total Credit Hours		15

Total Credit Hours = 134

Fact File

Duration: Four Years

Eligibility: Minimum 60% marks in intermediate or equivalent with mathematics / minimum 50% marks in intermediate (without mathematics) with two deficiency courses of mathematics to be studied and passed in 1st and 2nd semester after admission.
Passing aptitude test of CECOS.

Domain Elective

Computer Science

Course Code	Subject	Credit Hours
CS-x40	Web Technologies	2-1
CS-x41	Mobile Application Development	2-1
CS-x42	Advanced Programming	2-1
CS-x43	Numerical Analysis	2-1
CS-x44	Web Engineering	2-1
CS-x45	Cyber Security	2-1
CS-x46	Software Testing & Quality Assurance	2-1
CS-x47	Cloud Computing	2-1
CS-x48	Object Oriented Analysis & Design	2-1
CS-x49	Wireless Network	3-0
CS-x50	Data Warehousing	3-0
CS-x51	Machine Learning	3-0
CS-x52	Deep Learning	3-0
CS-x53	Data Mining	3-0
CS-x54	Data Science Technologies	3-0
CS-x53	Big Data Analytics	3-0
CS-x54	Natural Language Processing	3-0
CS-x55	Robotics	3-0
CS-x56	Realtime Systems	3-0
CS-x57	Digital Image Processing	3-0
CS-x58	Game Development	3-0
CS-x59	Computer Vision	3-0
CS-x60	Internet of Things	2-1

Software Engineering

Course Code	Subject	Credit Hours
SE-x40	Software Verification and Validation (Testing & QA)	2-1
SE-x41	Object Oriented Analysis & Design	2-1
SE-x42	*Computer Architecture	3-0
SE-x43	Theory of Automata	3-0
SE-x44	HCI & Computer Graphics	3-0
SE-x45	Advanced Database Management	3-0
SE-x46	Data Science	2-1
SE-x47	Software Re-Engineering	2-1
SE-x48	Mobile Application Development	2-1
SE-x49	Web Engineering	2-1
SE-x50	Advanced Programming	2-1
SE-x51	Computer Vision	3-0
SE-x52	Machine Learning	3-0
SE-x53	Cloud Computing	2-1
SE-x54	Data Science Technologies	3-0
SE-x55	Big Data Analysis	3-0
SE-x56	Game Development	3-0
SE-x57	Deep Learning	3-0
SE-x58	Natural Language Processing	3-0
SE-x59	Realtime Systems	3-0
SE-x60	Agent Based Software Engineering	3-0
SE-x61	Global Software Development	3-0
SE-x62	Management Information System	3-0
SE-x63	Information System Audit	3-0
SE-x64	Software Engineering Economics	3-0
SE-x65	Software Metrics	3-0
SE-x66	Internet of Things	2-1
SE-x67	Formal Methods in Software Engineering	3-0

Artificial Intelligence

Course Code	Subject	Credit Hours
AI-x40	Natural Language Processing	2-1
AI-x41	Speech Processing	2-1
AI-x42	Data Mining	2-1
AI-x43	Advance Statistics	2-1
AI-x44	Reinforcement Learning	2-1
AI-x45	Theory of Automata	3-0
AI-x46	HCI & Computer Graphics	2-1
AI-x47	Fuzzy Systems	2-1
AI-x48	Swarm Intelligence	2-1
AI-x49	Agent Based Modeling	2-1
AI-x50	Knowledge Based Systems	2-1
AI-x51	Mobile Application Development	2-1
AI-x52	Web Technologies	3-0
AI-x53	Data Science	3-0
AI-x54	Digital Image & Signal Processing	3-0
AI-x55	Cognitive AI	3-0
AI-x56	Evolutionary Computing	3-0
AI-x57	Internet of Things	2-1
AI-x58	Cloud Computing	2-1

Computer Engineering

Course Code	Subject	Credit Hours
COMP-x40	Parallel Computer Architectures	2-1
COMP-x41	Digital System Design	2-1
COMP-x42	Computer Interfacing	2-1
COMP-x43	Control Engineering	3-0
COMP-x44	Theory of Automata	3-0
COMP-x45	HCI & Computer Graphics	3-0
COMP-x46	Digital Signal Processing	2-1
COMP-x47	Embedded Systems	2-1
COMP-x48	Artificial Neural Networks & Deep Learning	2-1
COMP-x49	Digital Image Processing	2-1
COMP-x50	Internet of Things	2-1
COMP-x51	Cloud Computing	2-1
COMP-x52	Wireless Network	3-0
COMP-x53	Robotics	3-0

MS COMPUTER SCIENCE

Minimum 2.0 CGPA or 16-years equivalent degree from HEC recognized Institution / University with any of the following BS degrees.

ELIGIBILITY CRITERIA

a. Applicants with undergraduate degrees accredited by NCEAC:
Admission is allowed without any conditions.

b. Applicants with undergraduate degrees not accredited by NCEAC:
These include degrees such as Computer Systems Engineering, Computer Engineering, Software Engineering and other related fields. Admission may be granted; however, students must fulfill any recommended deficiencies identified in the Computing core courses as outlined in the NCEAC 2023 curriculum. These deficiencies will be determined by the Graduate Studies Committee through a review of the student's transcript. Students lacking any of the required core courses will be required to complete them prior to formal admission into the program.

c. Applicants with Foreign Degrees:
The HEC Equivalence Certificate will be used to determine whether the degree aligns with an NCEAC or non-NCEAC accredited program. Admission decisions will then be based on this determination.

MS SOFTWARE ENGINEERING

Minimum 2.0 CGPA
or 16-years equivalent degree from HEC recognized Institution / University with any of
the following BS degrees.

ELIGIBILITY CRITERIA

a. Applicants with Undergraduate Degrees Accredited by NCEAC:
Admission is allowed without any conditions.

b. Applicants with Undergraduate Degrees Not Accredited by NCEAC:
These include degrees such as Computer Systems Engineering, Computer Engineering, and other related fields. Admission may be granted; however, students must fulfill any recommended deficiencies identified in the Computing
core courses as outlined in the NCEAC 2023 curriculum. These deficiencies will be determined by the Graduate Studies Committee through a review of the student's transcript. Students lacking any of the required core courses will be required to complete them prior to formal admission into the program.

c. Applicants with Foreign Degrees:
The HEC Equivalence Certificate will be used to determine whether the degree aligns with an NCEAC-accredited program. Admission decisions will be based on this determination

PHD COMPUTER SCIENCE

ELIGIBILITY CRITERIA

Having M.Phil/ M.S/ Equivalent degree in any of the following relevant fields from a HEC recognized university with a minimum CGPA of 3.0 out of 4.0 in the semester system or first division in the annual examination system. In the case of a foreign qualification, an HEC equivalence certificate must be provided. The relevance of the degree will then be assessed based on the specific category under which it falls.

a. MS in Computer Science, Software Engineering, Information Technology, Information Systems, Artificial Intelligence, Data Science, or Cybersecurity: Admission is permitted without any additional requirements.
b. MS in Computer Systems Engineering: Admission is allowed, as the program aligns with UNESCO ISCED-F sub-discipline 0613 Software and application development and analysis.
c. MS in Computer Engineering: Admission is allowed if the applicant's undergraduate degree (BS in Computer Engineering) is accredited by NCEAC. Admission is not allowed if the BS degree is accredited by PEC, due to differing accreditation standards and curriculum alignment.

MS COMPUTER SCIENCE

Curriculum for MS Computer Science Program

Core Courses

Course Code	Subject	Credit Hours
CS-702	Advanced Automata Theory	3
CS-703	Advanced Analysis of Algorithms	3
CS-704	Advanced Operating Systems	3
CS-705	Advanced Computer Architecture	3
SS-113	Understanding of Holy Quran - I	0+1
SS-114	Understanding of Holy Quran - II	0+1

Mandatory Elective Courses

Course Code	Subject	Credit Hours
CS-701	Research Methodology	3

Software Engineering Elective Courses

Course Code	Subject	Credit Hours
CS-710	Advanced Requirement Engineering	3
CS-711	Advanced Software System Architecture	3
CS-712	Software Testing and Quality Assurance	3
CS-713	Software Measurement and Metrics	3
CS-714	Component-Based Software Engineering	3
CS-715	Advanced Formal Methods	3
CS-716	Agile Software Development Methods	3
CS-717	Empirical Software Engineering	3
CS-718	Advanced Software Project Management	3
CS-719	Software Risk Management	3
CS-720	Reliability Engineering	3
CS-721	Design Oriented Programming	3
CS-722	Software Process Improvement	3
CS-723	Safety-Critical Systems	3
CS-724	Global Software Development	3
CS-725	DevOps Practices	3
CS-726	Semantic Web and Ontology Engineering	3
CS-727	Data Science for Software Engineers	3
CS-728	Software Performance Engineering	3

FACT FILE ELIGIBILITY

- Minimum 16-year education in relevant field with minimum 2.0 CGPA or 60% marks from University / DAI recognized by HEC and accredited by relevant Accreditation body (PEC, PCATP etc.)
- Qualifying GAT-General Test of CECOS University or any other approved testing body (NTS/ETEA)

Artificial Intelligence Elective Courses

Course Code	Subject	Credit Hours
CS-750	Machine Learning	3
CS-751	Computer Vision	3
CS-752	Knowledge Representation & Reasoning	3
CS-753	Artificial Neural Networks & Deep Learning	3
CS-754	Artificial Intelligence	3
CS-755	Programming for AI	3
CS-756	Natural Language Processing	3
CS-757	Digital Image and Signal Processing	3
CS-758	Reinforcement Learning	3
CS-759	Data Science	3
CS-760	AI Ethics and Responsible AI	3

Computer Networks Elective Courses

Course Code	Subject	Credit Hours
CS-730	Advanced Computer Networks	3
CS-731	Advanced Network Security	3
CS-732	Topics in Wireless Sensor Networks	3
CS-733	Advanced Internet of Things	3
CS-734	Network Performance and Evaluation	3
CS-735	Software Defined Networks	3
CS-736	Emerging Topics in Computer Networks	3
CS-737	Topics in Distributed Computing	3
CS-738	Topics in Cloud Computing	3
CS-739	Topics in Blockchain Technologies	3
CS-740	Social Network Analysis	3
CS-741	Cyber Physical Systems	3
CS-742	Cognitive Networks	3

*Not limited to the list above, the University may add more courses

Thesis Research

Course Code	Subject	Credit Hours
CSD-699	Master's Thesis Research	6

MS SOFTWARE ENGINEERING

Curriculum for MS Software Engineering Program

Core Courses

Course Code	Subject	Credit Hours
SE-702	Advanced Requirement Engineering	3
SE-703	Advanced Software System Architecture	3
SE-704	Software Testing and Quality Assurance	3
SS-113	Understanding of Holy Quran - I	0+1
SS-114	Understanding of Holy Quran - II	0+1

Mandatory Elective Course(s)

Course Code	Subject	Credit Hours
SE-701	Research Methodology	3

Thesis Research

Course Code	Subject	Credit Hours
CSE-699	Master's Thesis Research	6

Domain Elective Courses

Course Code	Subject	Credit Hours
SE-710	Software Measurement and Metrics	3
SE-711	Component-Based Software Engineering	3
SE-712	Advanced Formal Methods	3
SE-713	Agile Software Development Methods	3
SE-714	Empirical Software Engineering	3
SE-715	Advanced Software Project Management	3
SE-716	Software Risk Management	3
SE-717	Reliability Engineering	3
SE-718	Design Oriented Programming	3
SE-719	Software Process Improvement	3
SE-720	Safety-Critical Systems	3
SE-721	Global Software Development	3
SE-722	DevOps Practices	3
SE-723	Semantic Web and Ontology Engineering	3
SE-724	Data Science for Software Engineers	3
SE-725	Software Performance Engineering	3

*Not limited to the list above, the University may add more courses

FACT FILE ELIGIBILITY

- Minimum 16-year education in relevant field with minimum 2.0 CGPA or 60% marks from University / DAI recognized by HEC and accredited by relevant Accreditation body (PEC, PCATP etc.)
- Qualifying GAT-General Test of CECOS University or any other approved testing body (NTS/ETEA)
- Registration with relevant accreditation body, if any (PEC, PCATP etc.)

PhD COMPUTER SCIENCE

Curriculum for PhD Computer Science Program

Core Course

Course Code	Subject	Credit Hours
CS-801	Advanced Research Methods	Non-Credits
SS-113	Understanding of Holy Quran - I	0+1
SS-114	Understanding of Holy Quran - II	0+1

Elective Courses

Course Code	Subject	Credit Hours
CS-810	Advanced Topics in Automata Theory	3
CS-811	Advanced Topics in Analysis of Algorithms	3
CS-812	Advanced Operating Systems	3
CS-813	Advanced Computer Architecture	3
CS-814	Advanced Computer Networks	3
CS-815	Advanced Network Security	3
CS-816	Advanced Wireless Sensor Networks	3
CS-817	Advanced Internet of Things	3
CS-818	Advanced Network Performance and Evaluation	3
CS-819	Advanced Software-Defined Networks	3
CS-820	Advanced Emerging Topics in Computer Networks	3
CS-821	Special Topics in Distributed Computing	3
CS-822	Advanced Cloud Computing	3
CS-823	Emerging Topics in Blockchain Technologies	3
CS-824	Advanced Social Network Analysis	3
CS-825	Advanced Cyber Physical Systems	3
CS-826	Advanced Cognitive Networks	3
CS-830	Advanced Requirement Engineering	3
CS-831	Advanced Software System Architecture	3
CS-832	Advanced Software Testing and Quality Assurance	3
CS-833	Advanced Software Measurement and Metrics	3
CS-834	Advanced Component-Based Software Engineering	3
CS-835	Advanced Topics in Formal Methods	3
CS-836	Advanced Agile Software Development Methods	3
CS-837	Advanced Empirical Software Engineering	3
CS-838	Special Topics in Software Project Management	3
CS-839	Advanced Software Risk Management	3
CS-840	Advanced Reliability Engineering	3
CS-841	Advanced Design Oriented Programming	3
CS-842	Advanced Software Process Improvement	3
CS-843	Advanced Safety-Critical Systems	3
CS-844	Advanced Global Software Development	3
CS-845	Advanced DevOps Practices	3
CS-846	Advanced Semantic Web and Ontology Engineering	3
CS-847	Advanced Data Science for Software Engineers	3
CS-848	Advanced Software Performance Engineering	3
CS-850	Advanced Machine Learning	3
CS-851	Advanced Computer Vision	3
CS-852	Advanced Knowledge Representation & Reasoning	3
CS-853	Special Topics in Artificial Neural Networks & Deep Learning	3
CS-854	Latest Trends in Artificial Intelligence	3
CS-855	Advanced Topics in Programming for AI	3
CS-856	Advanced in Natural Language Processing	3
CS-857	Advanced in Digital Image and Signal Processing	3
CS-858	Advanced in Reinforcement Learning	3
CS-859	Advanced Topics in Data Science	3
CS-860	Special Topics in AI Ethics and Responsible AI	3

Thesis Research

Course Code	Subject	Credit Hours
CSD-899	PhD Thesis Research	36

FACT FILE ELIGIBILITY

- Minimum 18-year Master Degree (Research Based) in relevant field with minimum 3 CGPA from HEC recognized University.
- Those who have Completed Master degree by course work will be required to publish one research paper in HEC recognized Journal prior to admissions.

DEPARTMENT OF

BASIC SCIENCES & HUMANITIES

PROGRAMS OFFERED

- BS English
- BS Mahematics
- BS Psychology
- MS Mathematics
- Ph.D Mathematics

MISSION STATEMENT

To enable students to make valuable contributions in their respective field, in particular and the society in general, in light of UN Sustainable Development Goals.

Message From The Head Of Department

Welcome to the Department of Basic Sciences & Humanities at CECOS University, where education is designed to foster intellectual curiosity, critical thinking, and personal development. Our programs go beyond the classroom to prepare students for the demands of the modern world. With a strong focus on analytical and entrepreneurial skills, we aim to empower students to meet academic and professional challenges with confidence. Join us in your pursuit of excellence and make the most of your university experience.

Dr. Nudrat Aamir
Ph.D Mathematics, University of Essex, UK

Prof.Dr. Nudrat Aamir
Professor/Dean OSA/HoD
Doctorate in Applied Mathematics
University of Essex United Kingdom

Dr. Farah Jaffer
Assistant Professor
Doctorate in Applied Mathematics
Shaheed Benazir Bhutto University

Mr. Adnan Hussain (Study Leave)
Lecturer
Ph.D (Progress)
China

Mr. Adnan Wadood
Lecturer
Ph.D Mathematics (in progress)
Bacha Khan University Charsadda

Dr. Haroon Niaz Ali Khan
Lecturer
Ph.D Mathematics
University of Peshawar

Molana Faiz ur Rehman
Lecturer
Master's in Islamiyat & Arabic
University of Peshawar

Mr. Nasrullah
Senior Instructor
BS English
IMSciences

Prof.Dr. Zaheer ud Din
Professor
Doctorate in Applied Mathematics
UET, Peshawar

Dr. Muhammad Jamshed
Assistant Professor
Doctorate in Islamiat
Quartba University, Peshawar

Mr. Sajjad Ahmed Subhan
Lecturer
MS in English
Islamia University

Muhammad Shahkar Khan
Lecturer
Ph.D Mathematics (In Progress)
University of Peshawar

Mr.Riffat Ullah
Lecturer
Ph.D Mathematics (in progress)
Islamia College University Peshawar

Muhammad Ilyas Khalil
Senior Instructor
MS in Pak Studies (In Progress)
University of Peshawar

Mr. Muhammad Hamid
Lecturer
Ph.D (in progress)
Qurtuba University, Peshawar

Mr. Muhammad Anees
Lecturer
M.Phil in English Literature
Forman Christian College University, Lahore.

Ms. Rimsha Gillani
Lecturer
M.Phil Mathematics
Islamia College University Peshawar

Ms. Shadab Aziz Qureshi
Lecturer
MS in English
Qurtuba University

Mr.Taimur Ali Shah
Lecturer (English)
M.Phil English linguistics
Quartuba University, Peshawar

Ms. Mehak Faiz
Senior Instructor
M.Phil in English (in progress)
City University

FACULTY MEMBERS OF

BASIC SCIENCES & HUMANITIES

Events

- Book Fair
- Literary Festival
- Istaqbal-E-Ramazan

CURRICULUM OF BS ENGLISH

Semester-I

Course Code	Course Title	Credit Hours
ENG-101	Functional English	3(3-0)
SS-103	Introduction to History	3(3-0)
MATH-101	Mathematics –I	3(3-0)
SS-109	Introduction to Sociology	2(2-0)
BIO-104	Introduction to Biology	3(2+1)
ENG-113	Introduction to English Literature	3(3-0)
SS-113	Understanding of Holy Quran-I	(0-1)
Total Credit Hours		18

Semester-II

Course Code	Course Title	Credit Hours
MGT-246	Introduction to Entrepreneurship	2(2-0)
SS-104	Introduction to Philosophy	2(2-0)
MATH-102	Mathematics –II	3(3-0)
CS-191	Applications of Information & Communication Technology	3(2+1)
SS-204	Civics & Community Engagement	2(2-0)
ENG-115	History of English Literature-I	3(3-0)
ENG-121	Introduction to Linguistics	3(3-0)
SS-207	Understanding of Holy Quran-II	(0-1)
Total Credit Hours		19

Semester-III

Course Code	Course Title	Credit Hours
SS-108	Introduction to Psychology	3(3-0)
ENG-211	English Poetry	3(3-0)
ENG-222	Morphology and Syntax	3(3-0)
ENG-223	TEFL-I	3(3-0)
ENG-102	Expository Writing	3(3-0)
SS-102	Pakistan Studies	2(2-0)
Total Credit Hours		17

Semester-IV

Course Code	Course Title	Credit Hours
SS-101	Islamic Studies	2(2-0)
ENG-221	Semantics	3(3-0)
ENG-216	History of English Literature-II	3(3-0)
ENG-213	Literary Criticism-I	3(3-0)
SS-203	Ideology and Constitution of Pakistan	2(2-0)
ENG-224	TEFL-II	3(3-0)
ENG-225	Women's Writings	3(3-0)
Total Credit Hours		19

Semester-V

Course Code	Course Title	Credit Hours
ENG-312	English Drama	3(3-0)
ENG-313	Literary Criticism-II	3(3-0)
ENG-326	Psycholinguistics	3(3-0)
ENG-322	Sociolinguistics	3(3-0)
ENG-314	English Novel	3(3-0)
LLB-101	Introduction to Law	3(3-0)
Total Credit Hours		18

Semester-VI

Course Code	Course Title	Credit Hours
SS-206	Introduction to Journalism	3(3-0)
ENG-315	English Prose	3(3-0)
ENG-324	Language Teaching Methodologies	3(3-0)
ENG-325	Discourse Analysis	3(3-0)
ENG-321	Stylistics	3(3-0)
ENG-316	Critical Reading Towards Critical Writing	3(3-0)
Total Credit Hours		18

*Students will undertake internships during the summer break after their sixth semester. Consequently, the evaluation of their internship will be incorporated into their eight-semester after the submission of their internship reports to the respective department.

Semester-VII

Course Code	Course Title	Credit Hours
ENG-411	Post-Colonial Literature	3(3-0)
ENG-413	Creative Writing	3(3-0)
ENG-421	Pragmatics	3(3-0)
ENG-422	Phonetics and Phonology	3(3-0)
ENG-491	Research Methodology	3(3-0)
Total Credit Hours		15

Semester-VIII

Course Code	Course Title	Credit Hours
ENG-492	Research Project	3(3-0)
ENG-415	American Literature	3(3-0)
ENG-416	Pakistani Literature	3(3-0)
ENG-424	Introduction to Forensic Linguistics	3(3-0)
SS-401	Internship	3(3-0)
Total Credit Hours		15

Total Credit Hours = 139

Fact File

Duration: Four Years
Eligibility: Minimum 45% marks in Intermediate or equivalent.
Passing aptitude test of CECOS.

CURRICULUM OF BS MATHEMATICS

Semester-I

Course Code	Course Title	Credit Hours
MATH-121	Calculus-I	4+0
MATH-122	Elements of Set theory and Mathematical Logic	3+0
ENG-101	Functional English	3+0
MATH-124	Discrete Mathematics	3+0
SS-109	Introduction to Sociology(Social Sciences)	2(2+0)
NS-100	Introduction to Physics (Natural Sciences)	3(2+1)
SS-113	Understanding of Holy Quran-I	0+1
Total Credit Hours		19

Semester-II

Course Code	Course Title	Credit Hours
MATH-123	Calculus-II	4+0
CS-191	Application to Information & Communication Technology	3(2+1)
SS-204	Civics & Community Engagement	2(2+0)
ENG-102	Expository Writing	3+0
SS-101	Islamic Studies/Ethics	2+0
NS-111	Basic of Electricity & Magnetism(Interdisciplinary)	3+0
SS-114	Understanding of Holy Quran-II	0+1
Total Credit Hours		18

Semester-III

Course Code	Course Title	Credit Hours
MATH-221	Calculus-III	4+0
MATH-222	Symbolic Computation	3+0
MATH-211	Probability and Statistics (Interdisciplinary)	3+0
SS-105	Introduction to Economics (Interdisciplinary)	3+0
SS-104	Introduction to Philosophy (Art & Humanities)	2(2+0)
MATH-223	Group Theory	3+0
Total Credit Hours		

Semester-IV

Course Code	Course Title	Credit Hours
MGT-431	Entrepreneurship	2(2+0)
MATH-225	Linear Algebra	3+0
MATH-224	Real Analysis-I	3+0
MGT-111	Fundamentals of Accounting (Interdisciplinary)	3+0
MATH-227	Classical Mechanics	3+0
SS-203	Ideology & Constitution of Pakistan	2(2+0)
MATH-320	Ordinary Differential Equations	3+0
Total Credit Hours		19

Semester-V

Course Code	Course Title	Credit Hours
MATH-326	Partial Differential Equation	3+0
MATH-321	Complex Analysis-I	3+0
MATH-323	Real Analysis-II	3+0
MATH-322	Affine and Euclidean Geometry	3+0
MATH-324	Rings and Fields	3+0
Total Credit Hours		15

Semester-VI

Course Code	Course Title	Credit Hours
MATH-422	Mathematical Statistics	3+0
MATH-327	Numerical Analysis-I	3(2+1)
MATH-330	Topology	3+0
MATH-329	Number Theory	3+0
MATH-325	Complex Analysis-II	3+0
MATH-328	Graph Theory	3+0
Total Credit Hours		18

*Students will undertake internships during the summer break after their sixth semester. Consequently, the evaluation of their internship will be incorporated into their seventh-semester before the submission of their internship reports to the respective department.

Semester-VII

Course Code	Course Title	Credit Hours
MATH-420	Numerical Analysis-II	3(2+1)
MATH-421	Integral Equations	3+0
MATH-226	Measure Theory	3+0
MATH-423	Research Methodology	3+0
MATH-425	Mathematical Methods	3+0
SS-401	Internship	3+0
Total Credit Hours		18

Semester-VIII

Course Code	Course Title	Credit Hours
MATH-426	Computational Fluid Dynamics	3+0
MATH-427	Functional Analysis	3+0
MATH-428	**(E-1)Optimization Theory	3+0
MATH-429	**(E-2)Mathematical Modelling and Simulations	3+0
MATH-431	Research Project	3+0
Total Credit Hours		15

Total Credit Hours = 140

Fact File

Duration: Four Years
Eligibility: Minimum 45% marks in Intermediate or equivalent.
Passing aptitude test of CECOS.

CURRICULUM OF BS PSYCHOLOGY

Semester-I

Course Code	Course Title	Credit Hours
ENG-101	Functional English	3(3-0)
SS-103	Introduction to History	3(3-0)
MATH-101	Mathematics –I	3(3-0)
SS-109	Introduction to Sociology	2(2-0)
BIO-104	Introduction to Biology	3(2+1)
PSY-113	Fundamentals of Psychology	3(3-0)
SS-113	Understanding of Holy Quran-I	(0-1)
Total Credit Hours		18

Semester-II

Course Code	Course Title	Credit Hours
MGT-246	Introduction to Entrepreneurship	2(2-0)
SS-104	Introduction to Philosophy	2(2-0)
MATH-102	Mathematics –II	3(3-0)
CS-110	Applications of Information and Communication Technology	3(2+1)
SS-204	Civics and Community Engagement	2(2-0)
PSY-115	Educational Psychology	3(3-0)
PSY-121	History and Schools of Psychology	3(3-0)
SS-114	Understanding of Holy Quran-II	(0-1)
Total Credit Hours		19

Semester-III

Course Code	Course Title	Credit Hours
SS-218	Elementary Statistics	3(3-0)
PSY-211	Experimental Psychology	3(3-0)
PSY-222	Neurological Basis of Behavior	3(3-0)
PSY-223	Muslim Contributions in Psychology	3(3-0)
ENG-102	Expository Writing	3(3-0)
SS-102	Pakistan Studies	2(2-0)
Total Credit Hours		17

Semester-IV

Course Code	Course Title	Credit Hours
SS-101	Islamic Studies/Ethics	2(2-0)
PSY-221	Developmental Psychology	3(3-0)
PSY-216	Theories of Personality	3(3-0)
PSY-213	Mental Health & Psychopathology – I	3(3-0)
SS-203	Ideology and Constitution of Pakistan	2(2-0)
PSY-224	Social Psychology	3(3-0)
PSY-225	Ethics in Psychology	3(3-0)
Total Credit Hours		19

Semester-V

Course Code	Course Title	Credit Hours
PSY-312	Mental Health & Psychopathology – II	3(3-0)
PSY-313	Counseling and Mental Health	3(3-0)
PSY-326	Psychological Testing & Assessment – I	3(3-0)
PSY-322	Environmental Psychology	3(3-0)
PSY-314	Clinical Psychology	3(3-0)
LLB-101	Introduction to Law	3(3-0)
Total Credit Hours		18

Semester-VI

Course Code	Course Title	Credit Hours
PSY-415	Sports Psychology	3(3-0)
PSY-315	Community Mental Health	3(3-0)
PSY-324	Psychological Testing & Assessment – II	3(3-0)
PSY-325	Positive Psychology	3(3-0)
PSY-321	Application of Statistics in Psychology	3(3-0)
PSY-316	Research Methodology in Psychology	3(3-0)
Total Credit Hours		18

*Students will undertake internships during the summer break after their sixth semester. Consequently, the evaluation of their internship will be incorporated into their eight-semester after the submission of their internship reports to the respective department.

Semester-VII

Course Code	Course Title	Credit Hours
PSY-411	Consumer Psychology	3(3-0)
PSY-413	Industrial and Organizational Psychology	3(3-0)
PSY-421	Health Psychology	3(3-0)
PSY-422	Cross-Cultural Psychology	3(3-0)
PSY-491	Fieldwork/Internship	3(3-0)
Total Credit Hours		15

Semester-VIII

Course Code	Course Title	Credit Hours
PSY-492	Cognitive Psychology	3(3-0)
PSY-416	Gender issues in Psychology	3(3-0)
PSY-424	Forensic Psychology	3(3-0)
SS-401	Capstone/Research Project	3(3-0)
Total Credit Hours		12

Total Credit Hours = 136

Fact File

Duration: Four Years
Eligibility: Minimum 45% marks in Intermediate or equivalent.
Passing aptitude test of CECOS.

DEPARTMENT OF **BASIC SCIENCES & HUMANITIES**

The department offers the folowing graduate degree programs:

- **MS Mathematics**
- **PhD Mathematics**

MS Mathematics

The degree program is of a 2-year duration and spans for 16-18 weeks semesters. Total credit hours for the program are 30 (i.e., 24 credit hours of coursework plus 6 credit hours of thesis and research in case of MS by research Plan-AI.

In Year-II, selected students will embark on a thesis project (i.e., on basis of their CGPA, as well as synopsis defence); others will have to opt for the non-thesis track (i.e., all 30 credit hours derived from coursework Plan-B). Students with unsatisfactory performance in their thesis research will be shifted to the non-thesis track.

Scheme of Studies

MS students must accumulate the required 30 credit hours as per the following distribution:

Plan-A

Catagory	Cr.Hrs
Core Subjects	12
Elective Subjects	12
Thesis	06
Total credit hours	**30**

Plan-B

Catagory	Cr.Hrs
Core Subjects	12
Elective Subjects	12
Additional Subjects	06
Total credit hours	**30**

PhD Mathematics

PhD is a 3 year degree program, during which the scholar must successfully complete 54 credit hours (18 credit hours course work and 36 credit hours research) beside other requirements as stipulated by the HEC and the University rules & regulations.

CURRICULUM OF MS MATHEMATICS

Pure Mathematics

Course Code	Course Title	Credit Hours
MATH-641	Rings and Modules	3
MATH-642	Lie Algebras & Lie Groups	3
MATH-643	Field Extensions & Galois Theory	3
MATH-644	Linear Groups & Group Representations	3
MATH-645	Homotopy Theory	3
MATH-646	Topological Groups	3
MATH-647	Homological Theory	3
MATH-648	Lattice Theory	3
MATH-649	Representation Theory	3
MATH-650	BCK Algebra	3

Course Code	Course Title	Credit Hours
MATH-651	BCI Algebra	3
MATH-652	Advanced Theory of Rings and Modules	3
MATH-653	Spectral Theory in Hilbert spaces – I	3
MATH-654	Spectral Theory in Hilbert spaces – II	3
MATH-655	Harmonic Analysis	3
MATH-656	Banach Algebras-I	3
MATH-657	Banach Algebras-II	3
MATH-658	Advanced Measure Theory	3
MATH-659	Advanced Number Theory	3
MATH-660	Combinatorics	3

Reading and Research

Course Code	Course Title	Credit Hours
MATH-	Reading & Research-MATH1	3
MATH-	Reading & Research-MATH2	3
MATH-	Reading & Research-MATH1	3
MATH-	Reading & Research-MATH2	3
MATH-	Reading & Research-MP1	3
MATH-	Reading & Research-MP2	3

Thesis

Course Code	Course Title	Credit Hours
MATH-	Thesis	6

Non-Credit Courses

Course Code	Course Title	Credit Hours
MATH-	Seminar Attendance	3
MATH-	Seminar Delivered-G	3
MATH-	Seminar Delivered-T	3
MATH-	Seminar Delivered-R	3

Eligibility Criteria:

- Minimum 16-year education in relevant field with minimum 2.0 CGPA or 60% marks from University recognized by HEC
- Qualifying GAT-General Test of CECOS University or any other approved testing body (NTS/ETEA)

CURRICULUM OF MS MATHEMATICS

Pure Mathematics

Course Code	Course Title	Credit Hours
MATH-641	Rings and Modules	3
MATH-642	Lie Algebras & Lie Groups	3
MATH-643	Field Extensions & Galois Theory	3
MATH-644	Linear Groups & Group Representations	3
MATH-645	Homotopy Theory	3
MATH-646	Topological Groups	3
MATH-647	Homological Theory	3
MATH-648	Lattice Theory	3
MATH-649	Representation Theory	3
MATH-650	BCK Algebra	3

Course Code	Course Title	Credit Hours
MATH-651	BCI Algebra	3
MATH-652	Advanced Theory of Rings and Modules	3
MATH-653	Spectral Theory in Hilbert spaces – I	3
MATH-654	Spectral Theory in Hilbert spaces – II	3
MATH-655	Harmonic Analysis	3
MATH-656	Banach Algebras-I	3
MATH-657	Banach Algebras-II	3
MATH-658	Advanced Measure Theory	3
MATH-659	Advanced Number Theory	3
MATH-660	Combinatorics	3

Reading and Research

Course Code	Course Title	Credit Hours
MATH-	Reading & Research-MATH1	3
MATH-	Reading & Research-MATH2	3
MATH-	Reading & Research-MATH1	3
MATH-	Reading & Research-MATH2	3
MATH-	Reading & Research-MP1	3
MATH-	Reading & Research-MP2	3

Non-Credit Courses

Course Code	Course Title	Credit Hours
MATH-	Seminar Attendance	3
MATH-	Seminar Delivered-G	3
MATH-	Seminar Delivered-T	3
MATH-	Seminar Delivered-R	3

M.Phil Thesis

Course Code	Course Title	Credit Hours
MATH-	Thesis	6

CURRICULUM OF PhD MATHEMATICS

Core Courses

Course Code	Course Title	Credit Hours
MATH-701	Advanced Algebra	3
MATH-702	Advanced Functional Analysis	3
MATH-703	Advanced Graph Theory	3
MATH-704	Advanced Mathematical Statistics	3
MATH-705	Advanced Partial Differential Equations	3
MATH-706	Algebraic Number Theory	3
MATH-707	Numerical Linear Algebra	3
MATH-708	Numerical Solutions of Ordinary Differential Equations	3
MATH-709	Numerical Solutions of Partial Differential Equations	3
MATH-710	Theory of Fluids	3
MATH-711	Integral Transforms and their Application	3

Optional Courses

Course Code	Course Title	Credit Hours
MATH-801	Advanced Fluid Dynamics	3
MATH-802	Advanced Mathematical Methods	3
MATH-803	Advanced Plasma Physics	3
MATH-804	Advanced Probability and Probability Distributions-I	3
MATH-805	Advanced Probability and Probability Distributions-II	3
MATH-806	Advanced Ring Theory	3
MATH-807	Algebraic Topology	3
MATH-808	Analytical Dynamics-I	3
MATH-809	Analytical Dynamics-II	3

Course Code	Course Title	Credit Hours
MATH-810	Applied Functional Analysis	3
MATH-811	Applied Graph Theory	3
MATH-812	Banach Algebra	3
MATH-813	Computational Methods	3
MATH-814	Integral Equations	3
MATH-815	Large Scale Scientific Computation	3
MATH-816	Mathematical Techniques for Boundary Value Problems	3
MATH-817	Multivariate Analysis	3

CURRICULUM OF Ph.D MATHEMATICS

Core Courses

Course Code	Course Title	Credit Hours
MATH-701	Advanced Algebra	3
MATH-702	Advanced Functional Analysis	3
MATH-703	Advanced Graph Theory	3
MATH-704	Advanced Mathematical Statistics	3
MATH-705	Advanced Partial Differential Equations	3
MATH-706	Algebraic Number Theory	3
MATH-707	Numerical Linear Algebra	3
MATH-708	Numerical Solutions of Ordinary Differential Equations	3
MATH-709	Numerical Solutions of Partial Differential Equations	3
MATH-710	Theory of Fluids	3
MATH-711	Integral Transforms and their Application	3

Optional Courses

Course Code	Course Title	Credit Hours
MATH-801	Advanced Fluid Dynamics	3
MATH-802	Advanced Mathematical Methods	3
MATH-803	Advanced Plasma Physics	3
MATH-804	Advanced Probability and Probability Distributions-I	3
MATH-805	Advanced Probability and Probability Distributions-II	3
MATH-806	Advanced Ring Theory	3
MATH-807	Algebraic Topology	3
MATH-808	Analytical Dynamics-I	3
MATH-809	Analytical Dynamics-II	3

Course Code	Course Title	Credit Hours
MATH-810	Applied Functional Analysis	3
MATH-811	Applied Graph Theory	3
MATH-812	Banach Algebra	3
MATH-813	Computational Methods	3
MATH-814	Integral Equations	3
MATH-815	Large Scale Scientific Computation	3
MATH-816	Mathematical Techniques for Boundary Value Problems	3
MATH-817	Multivariate Analysis	3

Eligibility Criteria:

- Minimum 18-year Master Degree (Research Based) in relevant field with minimum 3 CGPA from HEC recognized University.
- Those who have Completed Master degree by course work will be required to publish one research paper in HEC recognized Journal prior to admissions.

FACULTY OF

LIFE SCIENCES

DEPARTMENTS

- Department of Pharmacy
- Department of Allied Health Sciences
- Department of Nursing
- Institute of Integrative Biosciences

Message From The Dean

Welcome to the Faculty of Life Sciences (FLS) at CECOS University — a hub of interdisciplinary research and innovation. Our diverse academic offerings, including programs in Nursing, Biotechnology, Pharmacy, and Allied Health Sciences, are supported by advanced laboratories and expert faculty. We are committed to producing graduates who are internationally competitive and equipped to address global health and scientific challenges.

Join us in advancing knowledge and improving the quality of life through science and education.

Prof. Dr. Fazal Subhan

Ph.D Pharmacy (Pharmacology) Cardiff University of Wales, UK

DEPARTMENT OF

PHARMACY

PROGRAMS OFFERED

- Doctor of Pharmacy Pharm-D
- MS Pharmacy Pharmaceutics
- MS Pharmacy Pharmacology
- MS Pharmacy Practice
- Ph.D Pharmaceutics
- Ph.D Pharmacology

MISSION STATEMENT

To provide its students with pharmacy education of the highest quality, promoting the academic and career growth of the students to prepare them for leadership roles in the pharmaceutical care system.

Message From The Head Of Department

The Department of Pharmacy at CECOS University offers a comprehensive Doctor of Pharmacy (Pharm-D) program designed to prepare students for impactful careers in the fast-growing pharmaceutical sector. Our experienced faculty is devoted to academic excellence and holistic student development. With modern facilities and a nurturing learning environment, we focus on building professional competence, ethical values, and personal growth. Join us and take the first step toward becoming a future leader in pharmacy.

Prof. Dr. Fazal Subhan

Ph.D Pharmacy (Pharmacology) Cardiff University of Wales, UK

Dr. Fazal Subhan
Professor/HOD Pharmacy
Ph.D Pharmacology, Cardiff University of Wales, UK

Dr. Muhammad Shahid
Associate Professor
Ph.D Pharmacy, University of Peshawar

Dr. Naveed Ullah Khan
Assistant Professor
Ph.D Pharmaceutical Sciences, Soocho University, China

Mr. Asif Waseem
Lecturer
M.Phil Pharmacy, Abasyn University

Mrs. Urooj Aman
Lecturer
M.Phil Pharmacology, University of Peshawar

Miss Sana Haider
Lecturer
Ph.D Clinical Pharmacy, University of Peshawar

Ms. Anam Talat
Lecturer
M-Phil
Pharmaceutics, University of Peshawar

Dr. Zia Ullah Shah
Professor
Ph.D Microbiology,, Quaid-e-Azam University, Islamabad

Dr. Saad Salman
Associate Professor
Ph.D Pharmaceutics, Government College University, Faisalabad

Dr. Muhammad Asif Shahzad
Assistant Professor
Ph.D Pharmaceutical Chemistry, Gomal University, Dera Ismail Khan

Ms Yamema Younatan
Lecturer
M.Phil Pharmacognosy, Quaid-e-Azam University

Mr. Attaullah
Lecturer
M-Phil Pharmacology, AUKM, Mardan

Mrs. Sidra Batool
Lecturer
M-Phil Pharmaceutics
Riphah International University, Islamabad

Dr. Abdul Baseer
Associate Professor
Ph.D Pharmaceutics, Saarland University, Germany

Dr. Hamid Iqbal
Assistant Professor
Ph.D Basic Medical Sciences, Sungkyunkwan University, South Korea

Dr. Kamran Hidayat Ullah
Assistant Professor
Ph.D Pharmaceutics, Quaid-i-Azam University, Islamabad, Pakistan

Mr. Fazal Subhan
Lecturer
M.Phil Pharmacology, COMSATS Abbottabad (On-Study Leave)

FACULTY MEMBERS OF
PHARMACY

Pharma Fair

Every year, the Department of Pharmacy organizes Pharma Fair event to create awareness on drug misuse, public health, advanced medicine, treatment, medicine development.

CURRICULUM OF DOCTOR OF PHARMCY

Semester-I

Course Code	Course Title	Credit Hours
ENG-100	English-A	2+0
PHARM-111	Pharmaceutics-IA (Physical Pharmacy)	3+1
PHARM-121	Pharmaceutical Chemistry-IA (Organic)	3+1
PHARM-123	Pharmaceutical Chemistry-IIA (Biochemistry)	3+1
PHARM-141	Physiology-A	3+1
PHARM-143	Anatomy & Histology	3+1
Total Credit Hours		22

Semester-II

Course Code	Course Title	Credit Hours
ENG-104	English-B	4+0
PHARM-112	Pharmaceutics-IB (Physical Pharmacy)	3+1
PHARM-122	Pharmaceutical Chemistry-IB (Organic)	3+1
PHARM-124	Pharmaceutical Chemistry-IIB (Biochemistry)	3+1
PHARM-142	Physiology-B	3+1
Total Credit Hours		20

Semester-III

Course Code	Course Title	Credit Hours
SS-200	Islamiat	3+0
PHARM-213	Pharmaceutics-IIA (Dosage Form Science)	3+1
PHARM-215	Pharmaceutics-IIIA (Pharmaceutical Microbiology and Immunology)	3+1
PHARM-244	Pharmacology and Therapeutics-IA	3+1
PHARM-231	Pharmacognosy-IA (Basic)	3+1
PHARM-251	Pharmacy Practice-IA (Pharmaceutical Mathematics)	3+0
Total Credit Hours		22

Semester-IV

Course Code	Course Title	Credit Hours
SS-102	Pakistan Studies	2+0
PHARM 214	Pharmaceutics-IIB (Dosage Form Science)	3+1
PHARM 216	Pharmaceutics-IIIB Pharmaceutical Microbiology & Immunology	3+1
PHARM 245	Pharmacology and Therapeutics-IB	3+1
PHARM 232	Pharmacognosy-IB (Basic)	3+1
PHARM 252	Pharmacy Practice-IB (Biostatistics)	3+0
Total Credit Hours		21

Semester-V

Course Code	Course Title	Credit Hours
PHARM-353	Pharmacy Practice-IIA (Dispensing Pharmacy)	3+1
PHARM-325	Pharmaceutical Chemistry-IIIA(Pharmaceutical Analysis)	3+1
PHARM-346	Pharmacology and Therapeutics-IIA	3+1
PHARM-333	Pharmacognosy-IIA (Advanced)	3+1
PHARM-348	Pathology	3+1
Total Credit Hours		20

Semester-VI

Course Code	Course Title	Credit Hours
PHARM-354	Pharmacy Practice-IIB (Community, Social and Administrative Pharmacy)	3+0
PHARM-326	Pharmaceutical Chemistry-IIIB (Pharmaceutical Analysis)	3+1
PHARM-347	Pharmacology and Therapeutics-IIB	3+1
PHARM-334	Pharmacognosy-IIB (Advanced)	3+1
PHARM-355	Pharmacy Practice-III (Computer and its Applications in Pharmacy)	3+1
Total Credit Hours		19

Semester-VII

Course Code	Course Title	Credit Hours
PHARM-456	Pharmacy Practice-IVA (Hospital Pharmacy)	3+0
PHARM-458	Pharmacy Practice-VA (Clinical Pharmacy)	3+1
PHARM-411	Pharmaceutics-IVA (Industrial Pharmacy)	3+1
PHARM-413	Pharmaceutics-VA (Biopharmaceutics & Pharmacokinetics)	3+1
PHARM-415	Pharmaceutics-VIA (Pharmaceutical Quality Management)	3+1
Total Credit Hours		19

Semester-VIII

Course Code	Course Title	Credit Hours
PHARM-457	Pharmacy Practice-IVB (Hospital Pharmacy)	3+0
PHARM-459	Pharmacy Practice-VB (Clinical Pharmacy)	3+1
PHARM-412	Pharmaceutics-IVB (Industrial Pharmacy)	3+1
PHARM-414	Pharmaceutics-VB (Biopharmaceutics & Pharmacokinetics)	3+1
PHARM-416	Pharmaceutics-VIB (Pharmaceutical Quality Management)	3+1
Total Credit Hours		19

Semester-IX

Course Code	Course Title	Credit Hours
PHARM-511	Pharmaceutics-VIIA (Pharmaceutical Technology)	3+1
PHARM-551	Pharmacy Practice-VIA (Advanced Clinical Pharmacy)	3+1
PHARM-553	Pharmacy Practice-VIIA (Forensic Pharmacy)	3+0
PHARM-555	Pharmacy Practice-VIIIA (Pharmaceutical Management and Marketing)	3+0
PHARM-527	Pharmaceutical Chemistry-IVA(Medicinal Chemistry)	3+1
Total Credit Hours		18

Semester-X

Course Code	Course Title	Credit Hours
PHARM-512	Pharmaceutics-VIIB (Pharmaceutical Technology)	3+1
PHARM-552	Pharmacy Practice-VIB (Advanced Clinical Pharmacy-II)	3+1
PHARM-554	Pharmacy Practice-VIIB (Forensic Pharmacy)	3+0
PHARM-556	Pharmacy Practice-VIIIB (Pharmaceutical Management and Marketing	3+0
PHARM-528	Pharmaceutical Chemistry-IVB (Medicinal Chemistry)	3+1
Total Credit Hours		18

Total Credit Hours = 198

Fact File

Duration: Five Years
Eligibility: Minimum 60% marks in F.Sc Pre-Medical or Equivalent
Passing aptitude test of CECOS.

PHARMACY LABORATORIES

- Basic Medical Science Lab
- Pharmaceutical Chemistry
- Pharmaceutics Lab
- Pharmacognosy Lab
- Industrial Lab
- Quality Control Lab

MASTER OF SCIENCE IN PHARMACY (PHARMACEUTICS)

SCHEME OF STUDIES

Plan-A MS by Research Work

1st SEMESTER

Category	Credit Hours
Course I	3-0
Course II	3-0
Course III	3-0
Understanding of Holy Quran-I	1

2nd SEMESTER

Category	Credit Hours
Course IV	3-0
Course V	3-0
Course VI	3-0
Understanding of Holy Quran-II	1

3rd SEMESTER

Category	Credit Hours
Course VII	3-0
Course VIII	3-0
Thesis and Research	Non credit

4th SEMESTER

Category	Credit Hours
Thesis and Research	6

PLAN B: MS by Course Work

1st SEMESTER

Category	Credit Hours
Course I	3-0
Course II	3-0
Course III	3-0
Understanding of Holy Quran-I	1

2nd SEMESTER

Category	Credit Hours
Course IV	3-0
Course V	3-0
Course VI	3-0
Understanding of Holy Quran-II	1

3rd SEMESTER

Category	Credit Hours
Course VII	3-0
Course VIII	3-0
Thesis and Research	Non credit
Project	Non credit

4th SEMESTER

Category	Credit Hours
Course-X	3-0
Project	0

COURSES OF PHARMACEUTICS

Course Code	Subject	Credit Hours
PHARM-610	Radiopharmaceuticals	3
PHARM-611	Pharmaceutical Pre-formulation	3
PHARM-612	Sterile Formulations	3
PHARM-613	Stability Testing of Pharmaceuticals	3
PHARM-614	New Drug Delivery Systems	3
PHARM-710	Pharmaceutical Formulation and Manufacturing	3
PHARM-711	Advanced Pharmaceutical Biotechnology	3
PHARM-712	Formulation of Poorly Soluble Drugs	3
PHARM-713	Advanced Pharmaceutical Microbiology	3
PHARM-714	Polymeric Drug Delivery	3
PHARM-715	Molecular Biopharmaceutics	3

Course Code	Subject	Credit Hours
PHARM-810	Advanced Physical Pharmacy	3
PHARM-811	Nanotechnology and Nano-medicine	3
PHARM-812	Advanced Drug Delivery	3
PHARM-813	Microbial Control in Pharmaceuticals	3
PHARM-814	Modified Release Delivery System	3
PHARM-815	Advanced Pharmaceutical Technology	3
PHARM-816	Advanced Neuropharmaceutics	3

FACT FILE ELIGIBILITY

- Doctor of Pharmacy (5 years' program) with minimum 2.0 CGPA or 60% marks from University recognized by HEC.
- Qualifying GAT-General Test of CECOS University or any other approved testing body (NTS/ETEA)

MASTER OF SCIENCE IN PHARMACY (PHARMACOLOGY)

SCHEME OF STUDIES

Plan-A MS by Research Work

1st SEMESTER

Category	Credit Hours
Course I	3-0
Course II	3-0
Course III	3-0
Understanding of Holy Quran-I	1

2nd SEMESTER

Category	Credit Hours
Course IV	3-0
Course V	3-0
Course VI	3-0
Understanding of Holy Quran-II	1

3rd SEMESTER

Category	Credit Hours
Course VII	3-0
Course VIII	3-0
Thesis and Research	Non credit

4th SEMESTER

Category	Credit Hours
Thesis and Research	6

PLAN B: MS by Course Work

1st SEMESTER

Category	Credit Hours
Course I	3-0
Course II	3-0
Course III	3-0
Understanding of Holy Quran-I	1

2nd SEMESTER

Category	Credit Hours
Course IV	3-0
Course V	3-0
Course VI	3-0
Understanding of Holy Quran-II	1

3rd SEMESTER

Category	Credit Hours
Course VII	3-0
Course VIII	3-0
Thesis and Research	Non credit
Project	Non credit

4th SEMESTER

Category	Credit Hours
Course-X	3-0
Project	0

COURSES OF PHARMACOLOGY

Course Code	Subject	Credit Hours
PHARM-640	Special Topics in Experimental Pharmacology	3
PHARM-641	System Pharmacology-I (Gastrointestinal Pharmacology)	3
PHARM-642	System Pharmacology-I (Neuropharmacology)	3
PHARM-643	Molecular Pharmacology	3
PHARM-644	Drug Discovery and Evaluation	3
PHARM-645	Biochemical Toxicology	3
PHARM-741	Pain Management	3
PHARM-742	Autacoids Pharmacology	3
PHARM-743	Chemotherapy of Infectious Diseases	3
PHARM-744	Receptor Signaling Mechanisms	3
PHARM-745	Hematological Pharmacology	3

Course Code	Subject	Credit Hours
PHARM-746	Pharmacological Assays	3
PHARM-800	System Pharmacology-II (Cardiovascular)	3
PHARM-801	System Pharmacology-II (Renal)	3
PHARM-802	System Pharmacology-II (Endocrine Pharmacology)	3
PHARM-803	Pharmacogenomics	3
PHARM-804	Oncopharmacology	3
PHARM-805	Advanced Neuropharmacology	3
PHARM-806	Substance Abuse And Addiction	

FACT FILE ELIGIBILITY

- Doctor of Pharmacy (5 years' program) with minimum 2.0 CGPA or 60% marks from University recognized by HEC.
- Qualifying GAT-General Test of CECOS University or any other approved testing body (NTS/ETEA)

MASTER OF SCIENCE IN PHARMACY (PHARMACY PRACTICE)

SCHEME OF STUDIES

Plan-A MS by Research Work

1st SEMESTER

Category	Credit Hours
Course I	3-0
Course II	3-0
Course III	3-0
Understanding of Holy Quran-I	1

2nd SEMESTER

Category	Credit Hours
Course IV	3-0
Course V	3-0
Course VI	3-0
Understanding of Holy Quran-II	1

3rd SEMESTER

Category	Credit Hours
Course VII	3-0
Course VIII	3-0
Thesis and Research	Non credit

4th SEMESTER

Category	Credit Hours
Thesis and Research	6

PLAN B: MS by Course Work

1st SEMESTER

Category	Credit Hours
Course I	3-0
Course II	3-0
Course III	3-0
Understanding of Holy Quran-I	1

2nd SEMESTER

Category	Credit Hours
Course IV	3-0
Course V	3-0
Course VI	3-0
Understanding of Holy Quran-II	1

3rd SEMESTER

Category	Credit Hours
Course VII	3-0
Course VIII	3-0
Thesis and Research	Non credit
Project	Non credit

4th SEMESTER

Category	Credit Hours
Course-X	3-0
Project	0

COURSES OF PHARMACY PRACTICE

Course Code	Subject	Credit Hours
PHARM-620	Advance Clinical Pharmacy	3
PHARM-621	Pharmacoeconomics	3
PHARM-622	Pharmacoepidemiology	3
PHARM-623	Pharmacovigilance	3
PHARM-624	Rational Drug Use	3
PHARM-625	Design of Clinical Trials	3
PHARM-626	Personalized Medication	3
PHARM-720	Critical Care Pharmacy	3
PHARM-721	Pharmacotherapy	3
PHARM-722	Drug Literature Review	3
PHARM-723	Public Health Pharmacy	3
PHARM-724	Clinical Pharmacy Skills	3
PHARM-725	Advances in Pharmaceutical Care	3
PHARM-726	Role of Clinical Pharmacist in Measuring and Regulating Medicines Use	3

Course Code	Subject	Credit Hours
PHARM-820	Advances in Patient Counseling & Communication and Clinical Research	3
PHARM-821	Drug Therapy Review and Drug Utilization Evaluation	3
PHARM-822	Interpretation of Clinical Laboratory Data (Review of Laboratory & Diagnostic Tests)	3
PHARM-823	Patient Safety-Principle & Practice	3
PHARM-824	Institutional Pharmacy Practice	3
PHARM-825	Applied Pharmaceutical Dispensing	3
PHARM-826	Pharmacy Practice Management	3
PHARM-827	Advanced Therapeutic Management Of Hypertension	3
PHARM-828	Pharmacy Administration, Social And Clinical Pharmacy	3

FACT FILE ELIGIBILITY

- Doctor of Pharmacy (5 years' program) with minimum 2.0 CGPA or 60% marks from University recognized by HEC.
- Qualifying GAT-General Test of CECOS University or any other approved testing body (NTS/ETEA)

PhD IN PHARMACY (PHARMACEUTICS)

SCHEME OF STUDIES

A. Course Work

1st SEMESTER

Category	Credit Hours
Course I	3-0
Course II	3-0
Course III	3-0

2nd SEMESTER

Category	Credit Hours
Course IV	3-0
Course V	3-0
Course VI	3-0

3rd SEMESTER

Category	Credit Hours
Research Methodology	Non credit

COURSES OF PHARMACEUTICS

Course Code	Subject	Credit Hours
PHARM-710	Pharmaceutical Formulation and Manufacturing	3
PHARM-711	Advanced Pharmaceutical Biotechnology	3
PHARM-712	Formulation of Poorly Soluble Drugs	3
PHARM-713	Advanced Pharmaceutical Microbiology	3
PHARM-714	Polymeric Drug Delivery	3
PHARM-715	Molecular Biopharmaceutics	3

Course Code	Subject	Credit Hours
PHARM-810	Advanced Physical Pharmacy	3
PHARM-811	Nanotechnology and Nano-medicine	3
PHARM-812	Advanced Drug Delivery	3
PHARM-813	Microbial Control in Pharmaceuticals	3
PHARM-814	Modified Release Delivery System	3
PHARM-815	Advanced Pharmaceutical Technology	3
PHARM-816	Advanced Neuropharmaceutics	3

On the recommendation of the supervisor, the student can take a course from another discipline after the approval of the Hod

FACT FILE ELIGIBILITY

- Minimum 18-year Master Degree (Research Based) in relevant field with minimum 3 CGPA from HEC recognized University.
- Those who have Completed Master degree by course work will be required to publish one research paper in HEC recognized Journal prior to admissions.

PhD IN PHARMACY (PHARMACOLOGY)

SCHEME OF STUDIES

A. Course Work

1st SEMESTER

Category	Credit Hours
Course I	3-0
Course II	3-0
Course III	3-0
Total Credit Hours	9

2nd SEMESTER

Category	Credit Hours
Course IV	3-0
Course V	3-0
Course VI	3-0
Total Credit Hours	9

3rd SEMESTER

Category	Credit Hours
Thesis	36
Research Methodology	Non credit
Total Credit Hours	6

4th SEMESTER

Category	Credit Hours
Research and Thesis	6
Total Credit Hours	6

COURSES OF PHARMACOLOGY

Course Code	Subject	Credit Hours
PHARM-741	Pain Management	3
PHARM-742	Autacoids Pharmacology	3
PHARM-743	Chemotherapy of Infectious Diseases	3
PHARM-744	Receptor Signaling Mechanisms	3
PHARM-745	Hematological Pharmacology	3
PHARM-746	Pharmacological Assays	3

Course Code	Subject	Credit Hours
PHARM-800	System Pharmacology-II (Cardiovascular)	3
PHARM-801	System Pharmacology-II (Renal)	3
PHARM-802	System Pharmacology-II (Endocrine Pharmacology)	3
PHARM-803	Pharmacogenomics	3
PHARM-804	Oncopharmacology	3
PHARM-805	Advanced Neuropharmacology	3
PHARM-806	Substance Abuse And Addiction	3

FACT FILE ELIGIBILITY

- Minimum 18-year Master Degree (Research Based) in relevant field with minimum 3 CGPA from HEC recognized University.
- Those who have Completed Master degree by course work will be required to publish one research paper in HEC recognized Journal prior to admissions.

DEPARTMENT OF

ALLIED HEALTH SCIENCES

PROGRAMS OFFERED

- Doctor of Physical Therapy (DPT)
- BS Medical Laboratory Technology (MLT)
- BS Anesthesia Technology
- BS Radiology Technology
- BS Dental Technology

MISSION STATEMENT

To achieving academic excellence and innovation in the fields of rehabilitation and allied health sciences by providing an intellectually stimulating environment conducive to educational, professional and personal development.

Message From The Head Of Department

Welcome to the Department of Allied Health Sciences at CECOS University, an essential pillar of the Faculty of Life Sciences. Our aim is to deliver top-quality education and practical training across various health disciplines. Through cutting-edge facilities, experienced faculty, and a curriculum grounded in evidence-based practice, we promote academic excellence, research, and lifelong learning. Join us in making a difference in healthcare and pursuing your passion for serving humanity.

Prof. Dr. Zia Ullah Shah
Ph.D Microbiology, Quaid-e-Azam University, Islamabad

Prof. Dr. Zia Ullah Shah
HOD AHS
Ph.D Microbiology
QAU, Islamabad

Dr.(PT) Kashmala Zeb
Demonstrator/FYP Coordinator
DPT INU Peshawar
MS(OMPT) RIU Islamabad

Dr.(PT) Nasiha Rehman
Clinical Physical Therapist (CPT)/Exam Coordinator
DPT INU Peshawar
MS*(CPPT) RIU Islamabad

Dr.(PT) Jalwa Zahid
Lecturer
DPT NCS Peshawar
MS(NMPT) RIU Islamabad

Miss Muneeba Wali
Lecturer
MS Microbiology and Immunology
KMU Peshawar

Mr. Samiullah
Lecturer
MLT
MPhil Molecular Biology ICU Peshawar

Dr.(PT) Aftab Ahmed Khan
Demonstrator DPT Abasyn University Peshawar
MS*(NMPT) STMU, Islamabad

Mr. Abdullah
Demonstrator, Academic Coordinator
MLT INU Peshawar
MS*(MLS) RIU Islamabad

Dr.(PT) Nazneen Qureshi
Lecturer
DPT KMU, Peshawar
MS (MSPT) KMU, IPMR, Peshawar

Dr.(PT) Syed Basith Ali Shah
Lecturer
DPT NCS Peshawar
MS (SPT) RIU Islamabad

Miss Nadia Zeb
Lecturer/FYP Coordinator
MS Microbiology and Immunology
COMSATS UNIVERSITY Islamabad

Miss Rimsha Abid
Lecturer
MPhil Medical Microbiology
KMU Peshawar

Mr. Zeeshan Nazir
Lecturer
MLT KMU, IPMS, Peshawar
MPhil Molecular Biology ICU Peshawar

Dr.(PT) Tanzeela Rehman
Lecturer
DPT RMI Peshawar
MS (SPT) RIU Islamabad

Dr.(PT) Suneeta Tariq
Lecturer
DPT NCS University, Peshawar
MS (SPT) RIU Islamabad

FACULTY MEMBERS OF

ALLIED HEALTH SCIENCES

AHS LABORATORIES

- Biomechanics and skill Lab
- Anatomy and Physiology Lab
- MLT Lab
- Physical Therapy Clinic

CURRICULUM OF DOCTOR OF PHYSICAL THERAPY

Semester-I

Course Code	Course Title	Credit Hours
DPT-110	Human Anatomy-I	3 (2-1)
DPT-114	Human Physiology-I	3 (2-1)
DPT-120	Kinesiology- I	3 (2-1)
ENG-101	Functional English	3 (3-0)
BIO-115	Fundamentals of Biology	3 (2-1)
SS-104	Introduction to Philosophy	2 (2-0)
SS-113	Understanding of Holy Quran- I	1 (0-1)
Total Credit Hours		18

Semester-II

Course Code	Course Title	Credit Hours
DPT-111	Human Anatomy-II	3 (2-1)
DPT-115	Human Physiology-II	3 (2-1)
DPT-121	Kinesiology- II	3 (2-1)
MATH-110	Quantitative Reasoning- I	3 (3-0)
ENG-102	Expository Writing	3 (3-0)
SS-102	Pakistan Studies	2 (2-0)
SS-114	Understanding of Holy Quran- II	1 (0-1)
Total Credit Hours		18

Semester-III

Course Code	Course Title	Credit Hours
DPT-212	Human Anatomy-III	3 (2-1)
DPT-216	Human Physiology-III	3 (2-1)
DPT-214	Principles of Biochemistry	3 (3-0)
DPT-224	Medical Physics	3 (2-1)
MATH-111	Quantitative Reasoning- II	3 (3-0)
CS-110	Application of Information & Communication Technology	3 (2-1)
Total Credit Hours		18

Semester-IV

Course Code	Course Title	Credit Hours
DPT-213	Human Anatomy-IV (Neuroanatomy)	3 (2-1)
DPT-215	Biomechanics & Ergonomics	3 (2-1)
SS – 209	Human Psychology	2(2-0)
SS-203	Ideology & Constitution of Pakistan	2(2-0)
SS-204	Civics & Community Engagement	2(2-0)
MGT-431	Entrepreneurship	2 (2-0)
SS-101	Islamic Studies	2(2-0)
AHS-111	Behavioral Sciences	2 (2-0)
Total Credit Hours		18

Semester-V

Course Code	Course Title	Credit Hours
DPT-217	Human Physiology (Exercise Physiology)	3 (2-1)
DPT-311	Pharmacology-I	2 (2-0)
DPT-321	Physical Agents & Electrotherapy-I	3 (2-1)
DPT-225	Community Medicine & Rehabilitation	3 (2-1)
MB-311	Pathology & Microbiology-I	2 (2-0)
AHS-311	Artificial Intelligence in Healthcare	2 (2-0)
AHS-312	Molecular Biology & Genetics	2 (2-0)
DPT-340	Supervised Clinical Practice-I	3 (0-3)
Total Credit Hours		20

Semester-VI

Course Code	Course Title	Credit Hours
AHS-312	Sustainable Development Goals: Health & Wellbeing	3 (2-1)
DPT-312	Pharmacology-II	2 (2-0)
DPT-322	Physical Agents & Electrotherapy-II	3 (2-1)
MB-321	Pathology & Microbiology II	3 (2-1)
DPT-313	Therapeutic Exercises & Techniques	3 (2-1)
DPT-430	Manual Therapy	3 (2-1)
DPT-341	Supervised Clinical Practice-II	3 (0-3)
Total Credit Hours		20

Semester-VII

Course Code	Course Title	Credit Hours
DPT-410	Medicine-I	3 (3-0)
DPT-412	Surgery-I	3 (3-0)
DPT-330	Musculoskeletal Physical Therapy	3 (2-1)
DPT-414	Radiology & Diagnostic Imaging	3 (2-1)
DPT-451	Scientific Inquiry & Research Methodology	3 (2-1)
DPT-440	Supervised Clinical Practice-III	4 (0-4)
Total Credit Hours		19

Semester-VIII

Course Code	Course Title	Credit Hours
DPT-411	Medicine-II	3 (3-0)
DPT-413	Surgery-II	3 (3-0)
DPT-431	Neurological Physical therapy	3 (2-1)
BIO-324	Biostatistics	3 (2-1)
DPT-535	Sports Physical Therapy	2 (1-1)
DPT-441	Supervised Clinical Practice-IV	4 (0-4)
DPT-521	Professional Practice	2 (2-0)
Total Credit Hours		20

Semester-IX

Course Code	Course Title	Credit Hours
DPT-530	Cardiopulmonary Physical Therapy	3 (2-1)
DPT-520	Prosthetic & Orthotics	2 (2-0)
DPT-522	Emergency Procedure & Primary Care in Physical Therapy	2 (1-1)
DPT-450	Evidence Based Physical Therapy	3 (2-1)
DPT-542	Clinical Decision Making & Differential Diagnosis	3 (3-0)
DPT-540	Supervised Clinical Practice-V	3 (0-3)
AHS-421	Internship	3 (0-3)
Total Credit Hours		20

Semester-X

Course Code	Course Title	Credit Hours
DPT-532	Obstetric & Gynecological Physical Therapy	3 (2-1)
DPT-533	Pediatric Physical Therapy	3 (2-1)
DPT-534	Gerontology & Geriatric Physical Therapy	3 (2-1)
DPT-531	Integumentary Physical Therapy	2 (1-1)
DPT-541	Supervised Clinical Practice-IV	4 (0-4)
RES-425	Research Project	3 (0-3)
Total Credit Hours		21

Total Credit Hours = 189

Fact File

Duration: Five Years
Eligibility: Minimum 60% marks in F.Sc Pre-Medical or equivalent
Passing aptitude test of CECOS.

CURRICULUM OF BS MEDICAL LAB TECHNOLOGY

Semester-I

Course Code	Course Title	Credit Hours
ENG-101	Functional English	3+0
SS-101	Islamic Studies	2+0
SS-104	Introduction to Philosophy	2+0
BIO-101	Fundamentals of Biology	2+1
BIO-111	Fundamentals of Chemistry	3+0
MLT-141	Human Physiology –I	2+1
SS-113	Understanding of Holy Quran- I	0+1
Total Credit Hours		17

Semester-II

Course Code	Course Title	Credit Hours
ENG-102	Expository writing	3+0
SS-203	Ideology & Constitution of Pakistan	2+0
MATH-110	Quantitative Reasoning- I	3+0
MLT-142	Human Anatomy-I	2+1
AHS-111	Behavioral Sciences	2+0
MLT-242	Human Physiology-II	2+1
SS-114	Understanding of Holy Quran- II	0+1
SS-102	Pakistan Studies	2+0
Total Credit Hours		19

Semester-III

Course Code	Course Title	Credit Hours
MLT-231	General Pathology-I	2+1
CS-110	Application of Information and Communication Technology	2+1
MLT-202	Human Genetics	2+0
MLT-244	Hematology-I	2+1
MLT-243	Human anatomy-II	2+1
CH-211	Biochemistry-I	2+1
MATH-111	Quantitative Reasoning- II	3+0
Total Credit Hours		20

Semester-IV

Course Code	Course Title	Credit Hours
MLT-245	Hematology-II	2+1
MLT-241	Phlebotomy	2+1
MLT-232	General Pathology-II	2+1
SS-204	Civic and Community Engagement	2+0
MGT-431	Entrepreneurship	2+0
CH-212	Biochemistry II	2+1
BIO-324	Biostatistics	3
Total Credit Hours		19

Semester-V

Course Code	Course Title	Credit Hours
MLT-303	Molecular biology	2+1
MLT-333	Histopathology	2+1
MLT-322	Clinical Virology & Mycology	2+1
MLT-334	Clinical Pathology	2+1
MLT-342	Pharmacology-I	2+1
MLT-341	Medical Lab Instrumentation	2+1
Total Credit Hours		18

Semester-VI

Course Code	Course Title	Credit Hours
MLT-344	Bioinformatics	2+1
MLT-321	Bacteriology	2+1
MLT-345	Blood Banking	2+1
MLT-346	Cytology & Cytogenetics	2+1
MLT-323	Clinical Parasitology	2+1
MLT-343	Pharmacology-II	2+1
Total Credit Hours		18

Semester-VII

Course Code	Course Title	Credit Hours
MLT-441	Fundamental of Forensic sciences & toxicology	2+1
RES-412	Research Methodology	2+0
MLT-435	Chemical pathology	2+1
MLT-421	Immunology &serology	2+1
MLT-442	Advances in medical Lab technology	2+1
AHS-421	Internship	0+3
Total Credit Hours		17

Semester-VIII

Course Code	Course Title	Credit Hours
MLT-443	Biosafety &Biosecurity	2+1
MLT-444	Medical Lab management Skills	2+1
MLT-445	Epidemiology &Public Health	3+0
AHS-412	Bioethics	2+0
RES-425	Research Project	0+3
MLT-447	Fundamentals of Infection Control	2+1
Total Credit Hours		17

Total Credit Hours = 145

Fact File

Duration: Four Years
Eligibility: Minimum 50% marks in F.Sc Pre-Medical or equivalent
Passing aptitude test of CECOS.

CURRICULUM OF BS ANESTHESIA TECHNOLOGY

Semester-I

Course Code	Course Title	Credit Hours
ANS-111	Human Anatomy-I	3 (2-1)
ANS-121	Human Physiology-I	3 (2-1)
SS-104	Introduction to Philosophy	2 (2-0)
SS-101	Islamic Studies/Ethics	2 (2-0)
ENG-101	Functional English	3 (3-0)
AHS-101	Fundamental of Physics	3 (3-0)
SS-113	Understanding of Holy Quran-I	1 (0-1)
Total Credit Hours		17

Semester-II

Course Code	Course Title	Credit Hours
ANS-112	Human Anatomy-II	3 (2-1)
ANS-122	Human Physiology-II	3 (2-1)
CS-110	Application of Information & Communication Technologies	3 (2-1)
ENG-102	Expository Writing	3 (3-0)
SS-203	Ideology & Constitution of Pakistan	2 (2-0)
SS-102	Pakistan Studies	2 (2-0)
SS-114	Understanding of Holy Quran-II	1 (0-1)
MATH-110	Quantitative Reasoning- I	3 (3-0)
Total Credit Hours		20

Semester-III

Course Code	Course Title	Credit Hours
ANS-213	Microbiology	3 (2-1)
ANS-223	Biochemistry-I	3 (2-1)
ANS-241	Hematology	3 (2-1)
ANS-251	General Pathology-I	3 (2-1)
SS-204	Civics & Community Engagement	2 (2-0)
MATH-111	Quantitative Reasoning- II	3 (3-0)
Total Credit Hours		17

Semester-IV

Course Code	Course Title	Credit Hours
ANS-224	Community Medicine	2 (2-0)
ANS-225	Biochemistry-II	3 (2-1)
ANS-242	General Pathology-II	3 (2-1)
BIO-324	Biostatistics & Research Methodology	3 (2-1)
MGT-431	Entrepreneurship	2 (2-0)
ANS-252	Pharmacology-I	2 (2-0)
ANS-261	Epidemiology	2 (2-0)
AHS-111	Behavioral Sciences	2 (2-0)
Total Credit Hours		19

Semester-V

Course Code	Course Title	Credit Hours
ANS-343	Anatomy Related to Anesthesia	3 (2-1)
ANS-353	Pharmacology-II	3 (2-1)
ANS-362	Blood Banking	3 (2-1)
ANS-371	Physics Related To Anesthesia	3 (2-1)
ANS-363	Physiology Related To Anesthesia	3 (2-1)
ANS-372	Anesthesia Equipment's	3 (2-1)
Total Credit Hours		18

Semester-VI

Course Code	Course Title	Credit Hours
ANS-344	Pharmacology Related To Anesthesia	3 (2-1)
ANS-354	History Taking Pre-Operative Assessment & Medication Post-Op Care	3 (2-1)
ANS-364	Critical Care	3 (2-1)
ANS-373	Leadership And Management	2 (2-0)
ANS-374	Anesthesia And Co-Existing Diseases	3 (2-1)
ANS-345	Different Types of Anesthesia	3 (2-1)
Total Credit Hours		17

Semester-VII

Course Code	Course Title	Credit Hours
ANS-446	Anesthesia Related Complications And Their Management	3 (2-1)
ANS-455	Anesthesia For Cardiothoracic Surgery	3 (2-1)
ANS-465	Anesthesia For Neuro, Emergency And Geriatric Surgery	3 (2-1)
AHS-421	Internship	3 (0-3)
ANS-456	Anesthesia For Eye Surgical Procedures	3 (2-1)
ANS-466	Anesthesia For Ear Nose And Throat Surgeries	3 (2-1)
Total Credit Hours		18

Semester-VIII

Course Code	Course Title	Credit Hours
ANS-447	Anesthesia For Obstetric And Pedantic Surgery	3 (2-1)
ANS-457	Electrocardiograph For Anesthetist	3 (2-1)
ANS-467	Anesthesia For Dental, Maxillofacial, Head and Neck Surgeries	3 (2-1)
ANS-475	Anesthesia For General Surgery, Orthopedic & Urological Procedures	3 (2-1)
AHS-412	Bioethics	2 (2-0)
RES-425	Research Project	3 (0-3)
Total Credit Hours		17

Total Credit Hours = 143

Fact File

Duration: Four Years
Eligibility: Minimum 50% marks in F.Sc Pre-Medical or equivalent
Passing aptitude test of CECOS.

CURRICULUM OF BS RADIOLOGY TECHNOLOGY

Semester-I

Course Code	Course Title	Credit Hours
RAD-111	Human Anatomy-I	2+1
RAD-121	Human Physiology-I	2+1
SS-104	Introduction to Philosophy	2+0
SS-101	Islamic Studies/Ethics	2+0
ENG-101	Functional English	3+0
AHS-101	Fundamental of Physics	3+0
Total Credit Hours		16

Semester-II

Course Code	Course Title	Credit Hours
RAD-112	Human Anatomy-II	2+1
RAD-122	Human Physiology-II	2+1
CS-110	Application of Information & Communication Technologies	2+1
ENG-102	Expository Writing	3+0
SS-203	Ideology & Constitution of Pakistan	2+0
DPT-314	Behavioral Sciences	3+0
SS-207	Understanding Quran	
Total Credit Hours		17

Semester-III

Course Code	Course Title	Credit Hours
RAD-213	Regional & Radiological Anatomy-I	2+1
RAD-223	Biochemistry-I	2+1
RAD-241	General Radiology	2+1
RAD-251	General Pathology	2+1
MATH-109	Mathematics	3+0
SS-204	Civics & Community Engagement	2+0
Total Credit Hours		17

Semester-IV

Course Code	Course Title	Credit Hours
RAD-214	Regional & Radiological Anatomy-II	2+1
RAD-224	Biochemistry-II	2+1
RAD-242	Radiation Sciences & Technology	2+1
BIO-324	Biostatistics & Research Methodology	2+1
MGT-431	Entrepreneurship	2+0
RAD-252	Pharmacology	2+0
Total Credit Hours		17

Semester-V

Course Code	Course Title	Credit Hours
RAD-343	Clinical Medicine-I	1+1
RAD-353	Conventional Radiological Procedures & Clinical Practice	2+1
RAD-361	Radiological Positioning & Clinical Practice	2+1
RAD-371	Computed & Digital Radiography (CR & DR)	1+1
RAD-344	Radiobiology & Radiation Protection	1+1
RAD-354	Computed Tomography (CT)	2+1
RAD-362	General Surgery	1+1
Total Credit Hours		18

Semester-VI

Course Code	Course Title	Credit Hours
RAD-345	Mammography & Special Radiological Techniques	2+1
RAD-355	Magnetic Resonance Imaging (MRI)	2+1
RAD-363	Interventional Radiology	1+1
RAD-372	Clinical Medicine-II	1+1
RAD-373	Radiological & Cross Sectional Anatomy	2+1
RAD-364	Computed Tomography (CT) Procedures & Clinical Practice	2+1
Total Credit Hours		17

Semester-VII

Course Code	Course Title	Credit Hours
RAD-446	Magnetic Resonance Imaging (MRI) Procedures & Clinical Practice	2+1
RAD-456	Therapeutic Radiology	2+1
RAD-474	Clinical Sonography	2+1
RAD-447	Angiography & Cardiac Imaging	2+1
RAD-475	Nuclear Medicine	2+1
Total Credit Hours		15

Semester-VIII

Course Code	Course Title	Credit Hours
RAD-476	Echocardiography	1+1
RAD-466	Electrocardiography (ECG)	1+1
RAD-457	Clinical Pathology & Radiology Presentation	1+1
RAD-448	Patient Care & Management	2+0
RAD-477	Bioethics	2+0
RAD-467	Research Project	0+6
Total Credit Hours		16

Total Credit Hours = 130

Fact File

Duration: Four Years
Eligibility: Minimum 50% marks in F.Sc Pre-Medical or equivalent
Passing aptitude test of CECOS.

CURRICULUM OF BS DENTAL TECHNOLOGY

Semester-I

Course Code	Course Title	Credit Hours
DT-111	Human Anatomy-I	2+1
DT-121	Human Physiology-I	2+1
SS-104	Introduction to Philosophy	2+0
SS-101	Islamic Studies/Ethics	2+0
ENG-101	Functional English	3+0
BIO-101	Fundamental of Biology	3+1
Total Credit Hours		17

Semester-II

Course Code	Course Title	Credit Hours
DT-112	Human Anatomy-II	2+1
DT-122	Human Physiology-II	2+1
CS-110	Application of Information & Communication Technologies	2+1
ENG-102	Expository Writing	3+0
SS-203	Ideology & Constitution of Pakistan	2+0
DPT-314	Behavioral Sciences	3+0
SS-207	Understanding Quran	
Total Credit Hours		17

Semester-III

Course Code	Course Title	Credit Hours
DT-231	Oral Biology	2+1
DT-241	Biochemistry-I	2+1
DT-251	Dental Materials-I	2+1
DT-261	General Pathology	2+1
MATH-109	Mathematics	3+0
SS-204	Civics & Community Engagement	2+0
Total Credit Hours		17

Semester-IV

Course Code	Course Title	Credit Hours
DT-232	Dental Materials-II	2+1
DT-242	Biochemistry-II	2+1
DT-252	Microbiology	2+1
BIO-324	Biostatistics & Research Methodology	2+1
MGT-431	Entrepreneurship	2+0
DT-262	Pharmacology-I	2+0
Total Credit Hours		17

Semester-V

Course Code	Course Title	Credit Hours
DT-333	Tooth Morphology	2+1
DT-343	Pharmacology-II	2+1
DT-353	Oral Pathology and Oral Medicine-I	2+1
DT-363	Periodontology	2+1
DT-371	Partial Denture Prosthesis	2+1
DT-334	Minor Oral Surgery-I	2+1
Total Credit Hours		18

Semester-VI

Course Code	Course Title	Credit Hours
DT-344	Oral Pathology and Oral Medicine-II	2+1
DT-354	Community and Preventive Dentistry	2+1
DT-364	Fundamentals of Dental Radiology	2+1
DT-372	Operative Dentistry	2+1
DT-373	Orthodontics-I	2+1
DT-355	Minor Oral Surgery-II	2+1
Total Credit Hours		18

Semester-VII

Course Code	Course Title	Credit Hours
DT-455	Orthodontics-II	2+1
DT-465	Pediatric Dentistry	2+1
DT-474	Evidence-Based Dentistry	2+1
DT-436	Endodontics	2+1
DT-445	Complete Denture Prosthesis	2+1
DT-475	Fixed Prosthesis	2+1
Total Credit Hours		18

Semester-VIII

Course Code	Course Title	Credit Hours
DT-456	Fundamentals of Implantology	2+1
DT-466	Medical Emergencies in Dental Practice	2+1
DT-446	Maxillofacial Prosthesis	2+1
DT-476	Bioethics	2+0
DT-438	Research Project	0+6
Total Credit Hours		17

Total Credit Hours = 139

Fact File

Duration: Four Years
Eligibility: Minimum 50% marks in F.Sc Pre-Medical or equivalent
Passing aptitude test of CECOS.

DEPARTMENT OF

NURSING

PROGRAM OFFERED

- BS Nursing

MISSION STATEMENT

The CECOS University, Department of Nursing, is striving to be a leader in transforming the future of healthcare through excellence in nursing education and practice. We aim to inspire, educate, and lead a new generation of nurses who will revolutionize healthcare through research and innovation, ensuring the well-being of individuals and communities at national and international level.

Message From The Head Of Department

The Department of Nursing at CECOS University offers a comprehensive BS Nursing program focused on academic excellence, practical training, and holistic development. Our dedicated faculty ensures that students receive the education and support necessary to thrive in the healthcare sector. With a strong emphasis on values, professionalism, and leadership, we prepare our students for rewarding careers in nursing. Join us to become part of a profession that transforms lives through care and compassion.

Ms. Hina Ajmal
MS Nursing (Khyber Medical University Peshawar)

Ms. Hina Ajmal
HoD/Assistant Professor
MS Nursing (Khyber Medical University, Peshawar)
BS Nursing (North West College of Nursing, Peshawar)

Mr. Ihsan Ullah
Assistant Professor
MS Nursing (Khyber Medical University, Peshawar)
BS Nursing (Khyber Medical University, Peshawar)

Mr. Abdul Aziz
Lecturer
BSN (Institute of Nursing Sciences) Khyber Medical University, Peshawar.

Ms. Safira Hayat
Lecturer
BS Nursing (Agha Khan University School of Nursing & Midwifery, Karachi)

Mr. Yasir Ahmad
Lecturer
BS Nursing (North West College of Nursing, Peshawar)

Mr. Syed Maaz Hussain
Lecturer
BS Nursing (North West College of Nursing, Peshawar)

Mr. Muhammad Siyar Khan
Lecturer
BS Nursing (North West College of Nursing, Peshawar)

FACULTY MEMBERS OF
NURSING

NURSING
LAB / LIBRARY

- Science Lab
- Skill Lab
- Anatomy Lab
- Computer Lab
- Library

CURRICULUM OF BS NURSING

Semester-I

Course Code	Course Title	Category	T	C	Skills/ Lab	Credit
NU-120	Microbiology	GE (NS)	1.5	-	0.5	02
NU-121	Biochemistry	GE	1.5	-	0.5	02
ENG-101	Functional English	GE	03	-	-	03
NU-130	Fundamentals of Nursing – I	Major	02	-	01	03
NU-123	Anatomy & Physiology – I	Major	2.5	-	0.5	03
SS-203	Ideology & Constitution of Pakistan	GE	02	-	-	02
CS-110	Application of Information and Communication Technology	GE	02	-	01	03
Total Credit Hours						18

Semester-II

Course Code	Course Title	Category	T	C	Skills/ Lab	Credit
NU-131	Fundamentals of Nursing – II	Major	02	01	01	04
Math-112	Quantitative Reasoning	GE	03	-	-	03
NU-124	Anatomy & Physiology – II	Major	2.5	-	0.5	03
NU-122	Applied Nutrition	ID	02	-	-	02
NU-136	Theoretical Basis of Nursing	GE (AH)	02	-	-	02
SS-113	Understanding of Holy Quran-I	GE	01	-	-	01
Total Credit Hours						15

Semester-III

Course Code	Course Title	Category	T	C	Skills/ Lab	Credit
ENG-104	Communication Skills	GE	03	-	-	03
NU-227	Clinical Pharmacology & Drug Administration – I	Major	02	-	-	02
NU-232	Medical Surgical Nursing – I	Major	03	03	01	07
NU-234	Health Assessment – I	Major	01	-	01	02
NU-225	Pathophysiology – I	Major	02	-	01	03
SS-114	Understanding of Holy Quran-II	GE	01	-	-	01
Total Credit Hours						18

Semester-IV

Course Code	Course Title	Category	T	C	Skills/ Lab	Credit
NU-211	Applied Psychology	ID	03	-	-	03
NU-233	Medical Surgical Nursing – II	Major	03	03	01	07
NU-235	Health Assessment – II	Major	01	-	01	02
NU-226	Pathophysiology – II	Major	02	-	-	02
NU-228	Clinical Pharmacology & Drug Administration – II	Major	02	-	-	02
NU-210	Professional Ethics for Nurses	Major	02	-	-	02
Total Credit Hours						18

Semester-V

Course Code	Course Title	Category	T	C	Skills/ Lab	Credit
SS-204	Civics and Community Engagement	GE	02	-	-	02
NU-350	Pediatric Health Nursing	Major	03	03	01	07
NU-351	Maternal, Neonatal and Child Health Nursing	Major	02	01		03
NU-340	Epidemiology	ID	02	-	-	02
NU-341	Infectious Diseases	ID	02	-	-	02
Total Credit Hours						16

Semester-VI

Course Code	Course Title	Category	T	C	Skills/ Lab	Credit
NU-314	Principles of Teaching & Learning	ID	03	-	-	03
NU-342	Public Health Nursing	Major	02	02	-	04
NU-352	Mental Health Nursing	Major	03	02	01	06
Bio-324	Biostatistics	GE	03	-	-	03
NU-343	Culture, Health & Society	GE	02	-	-	02
Total Credit Hours						18

Semester-VII

Course Code	Course Title	Category	T	C	Skills/ Lab	Credit
NU-413	Leadership & Management	ID	02	01	-	03
NU-453	Critical Care Nursing	Major	02	04	01	07
NU-460	Introduction to Nursing Research	Major	03	-	-	03
MGT-246	Entrepreneurship	GE	02	-	-	02
NU-461	Elective	Major	02	-	-	02
Total Credit Hours						17

Semester-VIII

Course Code	Course Title	Category	T	C	Skills/ Lab	Credit
NU-454	Geriatric Nursing	Major	1.5	1.5	-	03
NU-444	Trends and Issues in Health Care	Major	02	-	-	02
ENG-102	Expository Writing	GE	03	-	-	03
NU-462	Elective	Major	-	-	-	03
NU-463	Clinical Practicum	CP	-	04	-	04
Total Credit Hours						15

Total Credit Hours = 138

Fact File

Duration: Four Years

Eligibility: Minimum 50% marks in F.Sc Pre-Medical or equivalent
Passing aptitude test of CECOS.

PROGRAM EDUCATIONAL OBJECTIVE (PEOS) OF BS NURSING

PEO 1: Nursing Graduates applying scientific knowledge, clinical reasoning, and ethical practice to deliver high-quality, patient-centered care that promotes health and well-being across diverse individuals, families, and communities locally and globally.

PEO 2: Nursing Graduates actively contributing to the transformation of healthcare systems through innovative practices, critical thinking, and leadership roles that improve health outcomes and advance the nursing profession.

PEO 3: Nursing Graduates demonstrating a sustained commitment to lifelong learning by pursuing advanced education, engaging in nursing research, and continuously developing skills that reflect the evolving demands of healthcare.

PEO 4: Nursing Graduates advocating for equitable healthcare policies and practices, working collaboratively with interdisciplinary teams to address social determinants of health and improve the well-being of individuals and communities at national and international levels.

PROGRAM LEARNING OUTCOMES (PLOS) OF BS NURSING

PLO 1: Demonstrate the ability to deliver compassionate, respectful, and evidence-based nursing care that meet the diverse needs of individuals and communities.

PLO 2: Integrate foundational sciences, nursing theory, and clinical reasoning skills into nursing Practice.

PLO 3: Critically appraise and apply current research and evidence to guide nursing interventions and contribute to the advancement of healthcare practice.

PLO 4: Exhibit accountability, ethical behavior, and leadership qualities in diverse healthcare settings, promoting collaboration and excellence in care delivery.

PLO 5: Design and implement strategies that support health promotion, disease prevention, and wellness for individuals, families, and populations.

PLO 6: Work effectively as part of interdisciplinary teams to enhance communication, coordination, and quality of care.

PLO 7: Use digital tools, healthcare technologies, and information systems to support clinical decision-making, documentation, and patient safety.

PLO 8: Address health disparities and contribute to the development of policies and practices that support equitable, accessible care for all populations.

PLO 9: Demonstrate a commitment to continuous personal and professional development, adapting to evolving healthcare environments and engaging with global health issues.

INSTITUTE OF

INTEGRATIVE BIOSCIENCES

PROGRAM OFFERED

> MS Biotechnology

MISSION STATEMENT

To equip students with the expertise and practical skills essential for success in the biotech industries. We strive to produce graduates who are not only well-versed in advanced knowledge but also industry-ready, ensuring they are poised for seamless integration into graduate studies or thriving careers within corporations.

Message From The Head Of Department

The Institute of Integrative Biosciences (IIB) at CECOS University stands at the forefront of biotechnology education and research. Currently offering a specialized MS in Biotechnology program, IIB provides advanced theoretical knowledge and hands-on training in cutting-edge biotechnological techniques. With strong industry ties, expert faculty, and state-of-the-art laboratories, the institute is dedicated to preparing researchers and professionals for leadership roles in innovation, development, and scientific discovery. Join IIB to become part of a community that is driving the future of biotechnology — now at the graduate level only.

Dr. Muhammad Shahid
Ph.D., University of Peshawar

Dr. Muhammad Shahid
Head of Institute of Integrative Biosciences
Associate Professor
Ph.D University of Peshawar, Peshawar

Dr. Faisal F. Khan
Assistant Professor
D.Phil. Systems Biology & Cell Biology
Oxford University, UK

Ms. Maryam Anwar
Lecturer
FYP Coordinator
MS Healthcare Biotechnology
Atta Ur Rahman School of Applied Biosciences,
National University of Science & Technology, Islamabad

Mr. Zubair Khan
Lab Technologist
BS Biotechnology
Institute of Integrative Biosciences
CECOS University, Peshawar

Mr. Muhammad Aamir Wahab, Gold Medalist
Lecturer
M.Phil. Biotechnology & Genetic Engineering
Institute of Biotechnology & Genetic Engineering
The University of Agriculture Peshawar
(On Study Leave)

Mr. Sulaiman Faisal
Lecturer
M.Phil. Biotechnology
Institute of Biotechnology & Genetic Engineering
The University of Agriculture Peshawar

Ms. Mushkbar Fatima
Lecturer
Academic Coordinator
MS Industrial Biotechnology
Atta-Ur-Rahman School of Applied Biosciences
National University of Science & Technology,
Islamabad

Ms. Laleen Saeed
Lecturer
MS Healthcare Biotechnology
Atta-Ur-Rahman School of Applied Biosciences
National University of Science & Technology,
Islamabad

FACULTY MEMBERS OF

INTEGRATIVE BIOSCIENCES

IIB Activities

- TRAININGS
- SESSIONS
- BOOTCAMP

INSTITUTE OF **INTEGRATIVE BIOSCIENCES**

The department offers the folowing graduate degree program:

- **MS Biotechnology**

The MS in Biotechnology program is designed to bridge industry and research needs through a rigorous curriculum integrating advanced theory with hands-on laboratory training. Graduates will be equipped for careers in pharmaceuticals, genetic engineering, and biotech innovation, gaining the expertise to tackle global challenges in healthcare, agriculture, and sustainability.

Scheme of Studies

The MS degree program is of 02 years and spans four semesters, each of which is of 16-18-week duration. Total credit hours for the MS program are 30 (i.e., 24 credit hours of course work plus 06 credit hours of thesis and research in case of MS by research). This structure follows the HEC criteria for MS.

In Year-II, selected students will embark on a thesis (Plan A) project (i.e., based on CGPA, minimum 3 in 06 courses as well as synopsis defense); others will have to opt for the non-thesis (Plan B) track (i.e., all 30 credit hours derived from coursework). Students with unsatisfactory performance in their thesis research will be shifted to the non-thesis track (Plan B).

Plan-A

Category	Credit Hours
Core Subjects	12
Elective Subjects	12
Thesis	06
Total credit hours	30

Plan-B

Category	Credit Hours
Core Subjects	12
Elective Subjects	12
Additional Subjects	06
Total credit hours	30

CURRICULUM OF MS Biotechnology

Core Courses

Course Title	Credit Hours
Advanced Molecular Biology	3
Applied Biostatistics	3
Recent trends in Biotechnology	3
Techniques in Molecular Biology	2+1
Scientific Writing and Communication	3

Course Title	Credit Hours
Gene Expression and Regulation	3
Advanced Virology	3
Human Physiology	3
Advances in Developmental Biology	3
Advanced Bioinformatics	3

Elective Courses

Course Title	Credit Hours
Bioprocess Technology	3
Nanobiotechnology	3
Biology of Cells and Viruses	3
Advances in RNA Biology	3
Drug Targeting Strategies	3
Research Methodology Involving the Use of Standard Laboratory Animals	3
Cancer Biology	3
Food Security	3
Genetic Resources, Evolution, and Conservation	3
Synthetic Biology	3

Course Title	Credit Hours
Bioentrepreneurship	3
Biosensors in Diagnostics	3
Bioethics and Biosafety	3
Disease Onset, Diagnosis, and Prevention	3
Pathophysiology and Pharmacological Management of selected Chronic Diseases	3
Drug Discovery and Development	3
Pharmacology	3
Global Biotechnology Industry	3
Plant Physiology, and Pathology	3

Eligibility Criteria:

- Minimum 16-year education in relevant field with minimum 2.0 CGPA or 60% marks from University recognized by HEC.
- Qualifying GAT-General Test of CECOS University or any other approved testing body (NTS/ETEA)

You Can Apply for Admission in CECOS University Through Any of the Following Processes

01 ONLINE APPLICATION

You can apply online from anywhere, through the online form available at the University website **www.cecos.edu.pk.**

Online Form Filling

a Kindly click on APPLY NOW button to create your login

b Click on the new user account and create your login.

c Deposit Rs.1500/- for BS programs & Rs.2000/- for MS programs in any of the following bank accounts of CECOS

d Login with your credentials and select

HOW TO APPLY

Bank Account Details

Bank Name: JS Bank Ltd. (JSBLI)
Account No: PK75JSBL9017000000971839
Title: CECOS UNIVERSITY OF IT & EMERGING SCIENCES

02 PAPER APPLICATION

Interested candidates can obtain the University Prospectus and Admission form from the Main Campus of the University

The candidates have to follow instructions given on the admission form and prospectus, fill in the form, and submit the same in the Admission Cell by hand before the closing date.

03 Visit Campus or contact us for Queries

In case of any query, you can contact the CECOS admission team on 091-5860291-3 (Ext: 195-196) WhatsApp 0345-0023267.
The CECOS Admissions Team will be available to guide you to complete all the formalities.

01

5 MERIT-BASED SCHOLARSHIPS (In each BS Program)

- **100%** 1 seat on the basis of F.Sc marks
- **50%** 2 seats on the basis of F.Sc marks
- **25%** 2 seats on the basis of F.Sc marks

02

Worker welfare board scholarship

Scholarships for children of registered workers or deceased workers (with death grant).

03

Need based scholarship

Need based scholarships/financial assistance will be offered in financial hardship cases.Need based scholarships/financial assistance will be offered in financial hardship cases.

04

Female Scholarship

20% concession in tuition fee for all female students.

05

Kin-based Concession

20% concession in tuition fee on Kin ship basis

06

Children of Armed forces

15% concession in tuition fee for children of Armed forces personnel.

07

DAFI Scholarship

Afghan Refuge Students will get scholarships as per Policy of DAFI.

08

Ihsan Trust Loan

Students can avail Interest free loan through Ihsan Trust for continuation of their studies.

09

Alumni Concession

- 50% concession in Tuition Fee for Gold Medalists of BS program of CECOS University who get admission in MS Program during one year of their graduation.
- 15% Fee concession in tuition fee for the graduates of CECOS University who get admission in MS programs.

Need some help with your university tuition fee?
CECOS University scholarships are designed to reward students who perform well in their studies.

SCHOLARSHIPS

The CECOS University Talent Hunt Scholarship is a prestigious opportunity for aspiring students to showcase their exceptional talents and receive financial support for their education. This scholarship aims to recognize and reward individuals who demonstrate outstanding abilities in various fields such as academics.

Interested candidates apply by filling this Google Form application by visiting our website www.cecos.edu.pk/scholorships

100%	F.Sc **80%** & Minimum **60%** score in test
50%	F.Sc **80%** & Minimum **60%** score in test
25%	F.Sc **75%** & Minimum **60%** score in test

Total Seats = 15 - Aggregate of F.Sc and test will make you secure this scholarship

TALENT HUNT SCHOLARSHIP POLICY

- The candidate(s) applying for Talent Hunt Scholarship must also submit admission application form of CECOS University and attach the payment slip in google form.
- The candidates having minimum score of **70%** for **100%** & **50%** in their intermediate are eligible to apply.
- The candidates must qualify scholarship test by achieving a minimum score of **60%** in the test.
- The scholarship will be awarded for 1st semester only and for the Continuation of the scholarship for every next semester, the student will be required to maintain a minimum 3.33 CGPA.
- The scholarship program does not prioritize students based on financial need. It is open to all eligible students regardless of their financial background.
- Those students who are already enrolled in any program of CECOS University are not eligible.

TALENT HUNT

AREEBA HAFEEZ

Being awarded the 100% merit scholarship has strengthened my confidence and inspires me to work even harder ahead.

Batch 2024
Software Engineering

MUNEEB AHMAD

Earning a merit scholarship is a milestone in my journey. It fuels my ambition to grow and succeed.

Batch 2024
BSc Civil Engineering

NASHEMAN FARYAL

Achieving a merit scholarship reminds me that perseverance and dedication never go unnoticed.

Batch 2024
BS Dental Technology

MUHAMMAD TALHA

Being selected for the Talent Hunt Scholarship has fueled my passion for learning. It's a proud milestone that motivates me to aim higher and achieve more

Batch 2024
Software Engineering

MUHAMMAD ASHFAQ

This merit scholarship recognizes my hard work and dedication. It pushes me to keep striving for academic excellence.

Batch 2022
BS Accounting & Finance

SONIA SHEHZADI

Receiving the scholarship has empowered me to believe in my abilities. It inspires me to continue aiming for excellence.

Batch 2022
BS Business Administration

GULRUKH

This Scholarship is proof that consistent effort leads to real accomplishments, and I'm just getting started.

Batch 2022
BS Accounting & Finance

RESHAEL ABID

The scholarship has given me the confidence to overcome challenges and embrace every new opportunity.

Batch 2024
B. Architecture

SCHOLARSHIP HOLDERS

ENGR. NAJEEB UR REHMAN

Research Staff in Training
Micelab, University of Girona, **Spain**

CECOS has been an incredible place for both personal and professional growth. It not only provided me with a solid academic foundation but also instilled in me the confidence and vision to pursue my goals. The experiences and values I gained there continue to guide and inspire me in every step of my journey.

DR. MUHAMMAD HUMAYUN

Senior Hardware Engineer
StarCharge (Wanbang Digital Energy Co., Ltd), **China**

CECOS University played a pivotal role in shaping my career, offering not just academic knowledge but a well-rounded experience. The support from faculty and the opportunities for hands-on learning fueled my passion for Electrical Engineering

UMAR FAROOQ

SCADA Engineer
Tesco Controls, **USA**

CECOS University provided the foundation for my professional journey, fostering both personal growth and the technical expertise that drives my career today. The comprehensive education and hands-on experience I gained there have been invaluable in helping me overcome challenges and excel in my field.

SANGEEN QAZI

Sr. Controls and Automation Engineer
OneSubsea A Schlumberger Company, **Germany**

CECOS has been an incredible place for both personal and professional growth. It not only provided me with a solid academic foundation but also instilled in me the confidence and vision to pursue my goals. The experiences and values I gained there continue to guide and inspire me in every step of my journey.

ENGR. SABAH QURESHI

Senior Contracts & Commercial Specialist
Lakeland Consulting Inc., **Canada**

I will always be thankful to CECOS University, which laid the foundation for my successful career in Civil Engineering and Construction Management. The knowledge and guidance I received there played a vital role in shaping my professional path.

MIRZA ZAHID KHALIL

Project Manager, Transmission and Distribution
Fichtner, **Germany**

CECOS University solidified my thoughts, vision, and perspective towards engineering. It laid the groundwork for my professional development and empowered me to pursue ambitious goals with confidence. I am incredibly appreciative and blessed to be a part of this enormous success meter that continues to inspire excellence.

OMER MUJAHID

Researcher at Modelling, Identification & Control Engineering Lab, University of Girona, **Spain**

The education I received at CECOS honed my problem-solving and critical thinking abilities, preparing me to address complex engineering challenges. CECOS also played a key role in launching my research journey and empowering me to pursue advanced studies abroad.

DR. M. SHAHID ANWAR

Assistant Professor, Department of AI & Software
Gachon University, **South Korea**

CECOS University provided me with the knowledge, skills, and confidence to achieve my dreams and build a successful career. The supportive environment, dedicated faculty, and focus on innovation helped me grow both academically and personally. Embrace learning here, and your future will have no limits.

ALUMNI LEADING WORLDWIDE

CECOS UNIVERSITY

FEE STRUCTURE UNDERGRADUATE PROGRAMS 2025

F-5, Phase-6, Hayatabad Peshawar, Pakistan
www.cecos.edu.pk cecosofficial 091-5862091-3

B.SC ENGINEERING (CIVIL)

Semester	Admission Fee	Semester Registration Fee	Tuition Fee	Exam Fee	Total
Semester-I	30000	---	150000	10000	190000
Semester-II	-	20000	150000	10000	180000
Semester-III	-	20000	150000	10000	180000
Semester-IV	-	20000	150000	10000	180000
Semester-V	-	20000	150000	10000	180000
Semester-VI	-	20000	150000	10000	180000
Semester-VII	-	20000	150000	10000	180000
Semester-VIII	-	20000	150000	10000	180000
Complete Charges	30000	140000	1200000	80000	1450000

Survey Camp Charges Rs. 35000

B.SC ENGINEERING (Electrical, Mechanical, BS Robotics & AI)

Semester	Admission Fee	Semester Registration Fee	Tuition Fee	Exam Fee	Total
Semester-I	30000	-	90000	10000	130000
Semester-II	-	10000	90000	10000	110000
Semester-III	-	10000	90000	10000	110000
Semester-IV	-	10000	90000	10000	110000
Semester-V	-	10000	90000	10000	110000
Semester-VI	-	10000	90000	10000	110000
Semester-VII	-	10000	90000	10000	110000
Semester-VIII	-	10000	90000	10000	110000
Complete Charges	30000	70000	720000	80000	900000

BACHELOR OF ARCHITECTURE

Semester	Admission Fee	Tuition Fee	Exam Fee	Total
Semester-I	30000	140000	15000	185000
Semester-II	-	140000	15000	155000
Semester-III	-	140000	15000	55000
Semester-IV	-	140000	15000	155000
Semester-V	-	140000	15000	155000
Semester-VI	-	140000	15000	155000
Semester-VII	-	140000	15000	155000
Semester-VIII	-	140000	15000	155000
Semester-IX	-	140000	15000	155000
Semester-X	-	140000	15000	155000
Complete Charges	30000	1400000	150000	1580000

B.SC ENGINEERING TECHNOLOGY (Civil, Electrical, Mechanical)

Semester	Admission Fee	Tuition Fee	Total
Semester-I	20000	50000	70000
Semester-II	-	50000	50000
Semester-III	-	50000	50000
Semester-IV	-	50000	50000
Semester-V	-	50000	50000
Semester-VI	-	50000	50000
Semester-VII	-	50000	50000
Semester-VIII	-	50000	50000
Complete Charges	20000	400000	420000

BBA (HONS) /ACCOUNTANT & FINANCE / BS ANALYTICS

Semester	Admission Fee	Tuition Fee	Total
Semester-I	30000	80000	110000
Semester-II	-	80000	80000
Semester-III	-	80000	80000
Semester-IV	-	80000	80000
Semester-V	-	80000	80000
Semester-VI	-	80000	80000
Semester-VII	-	80000	80000
Semester-VIII	-	80000	80000
Complete Charges	30000	640000	670000

BS CS(HONS) / BS ARTIFICIAL INELEGANCE / BS SOFTWARE ENGINEERING/ BS COMPUTER ENGINEERING

Semester	Admission Fee	Tuition Fee	Total
Semester-I	30000	110000	140000
Semester-II	-	110000	110000
Semester-III	-	110000	110000
Semester-IV	-	110000	110000
Semester-V	-	110000	110000
Semester-VI	-	110000	110000
Semester-VII	-	110000	110000
Semester-VIII	-	110000	110000
Complete Charges	30000	880000	910000

BS ENGLISH

Semester	Admission Fee	Tuition Fee	Total
Semester-I	30000	60000	90000
Semester-II	-	60000	60000
Semester-III	-	60000	60000
Semester-IV	-	60000	60000
Semester-V	-	60000	60000
Semester-VI	-	60000	60000
Semester-VII	-	60000	60000
Semester-VIII	-	60000	60000
Complete Charges	30000	480000	510000

DOCTOR OF PHARMACY

Semester	Admission Fee	Tuition Fee	Exam Fee	Total
Semester-I	30000	150000	15000	195000
Semester-II	-	150000	15000	165000
Semester-III	-	150000	15000	165000
Semester-IV	-	150000	15000	165000
Semester-V	-	150000	15000	165000
Semester-VI	-	150000	15000	165000
Semester-VII	-	150000	15000	165000
Semester-VIII	-	150000	15000	165000
Semester-IX	-	150000	15000	165000
Semester-X	-	150000	15000	165000
Complete Charges	30000	1500000	150000	1680000

Clinical Rotation Charges will be Charged as per actual

BS MEDICAL LAB TECHNOLOGY (BS MLT) / BS RADIOLOGY/ BS DENTAL TECHNOLOGY / BS ANESTHESIA TECHNOLOGY

Semester	Admission Fee	Tuition Fee	Exam Fee	Total
Semester-I	30000	60000	10000	100000
Semester-II	-	60000	10000	60000
Semester-III	-	60000	10000	60000
Semester-IV	-	60000	10000	60000
Semester-V	-	60000	10000	60000
Semester-VI	-	60000	10000	60000
Semester-VII	-	60000	10000	60000
Semester-VIII	-	60000	10000	60000
Complete Charges	30000	1200000	80000	590000

Clinical Rotation Charges will be Charged as per actual

BACHELOR OF NURSING

Semester	Admission Fee	Tuition Fee	Exam Fee	Total
Semester-I	30000	150000	10000	190000
Semester-II	-	150000	10000	160000
Semester-III	-	150000	10000	160000
Semester-IV	-	150000	10000	160000
Semester-V	-	150000	10000	160000
Semester-VI	-	150000	10000	160000
Semester-VII	-	150000	10000	160000
Semester-VIII	-	150000	10000	160000
Complete Charges	30000	1200000	80000	1310000

Clinical Rotation Charges will be Charged as per actual

DOCTOR OF PHYSICAL THERAPY

Semester	Admission Fee	Tuition Fee	Exam Fee	Total
Semester-I	30000	80000	10000	120000
Semester-II	-	80000	10000	90000
Semester-III	-	80000	10000	90000
Semester-IV	-	80000	10000	90000
Semester-V	-	80000	10000	90000
Semester-VI	-	80000	10000	90000
Semester-VII	-	80000	10000	90000
Semester-VIII	-	80000	10000	90000
Semester-IX	-	80000	10000	90000
Semester-X	-	80000	10000	90000
Complete Charges	30000	800000	100000	930000

Clinical Rotation Charges will be Charged as per actual

HOSTEL FEE

Admission Fee	Security (Refundable)	Rent	Mess Charges	Electricity Charges (Per unit/As Meter Reads)	Total Charges (For one Room Student)
5000 (once)	15000 (once)	15000 (Per Month)	6500 (Per Month)	5000 (Per Room / Per Month)	46500 (Per Room / Per Month)

*6 Months advance Rent will be charged along with Semester Fee

Transport	6000 per month (6 Months advance Rent will be charged along with Semester Fee)

Note:
1- The fee structure is subject to change on inflationary basis / other reasons.
2- The fee structure is exclusive of levies and taxes.
3- Fine will be imposed on submission of fee after due date.
4- There will be separate fee structure (in US Dollars) for foreign nationals, for each degree programmes.

FEE STRUCTURE SPRING 2025 GRADUATE PROGRAMS

MS Engineering (Civil, Electrical, Mechanical), M. Architecture, MS Engineering Management MS Pharmacy

Admisions Fee	Semester Registration Fee	Per Subject Fee	Thesis Fee
Rs 20,000	Rs 5000	Rs 30,000	Rs 55,000

MS Management Sciences / MBA (Business - 1.5 Years) / MS Computer Science MS Software Engineering / MS Project Management

Admisions Fee	Semester Registration Fee	Per Subject Fee	Thesis Fee
Rs 20,000	Rs 5000	Rs 25,000	Rs 55,000

MBA (Non Business - 2 Years)

Admisions Fee	Rs 20,000	Per Semester Fee	Rs 80,000
	Total	Rs 3,40,000	

M. Tech (Civil, Electrical)

Admisions Fee	Semester Registration Fee	Per Subject Fee	Thesis Fee
Rs 20,000	Rs 5000	Rs 20,000	Rs 55,000

MS Biotechnology / MS Mathematics

Admisions Fee	Semester Registration Fee	Per Subject Fee	Thesis Fee
Rs 20,000	Rs 5000	Rs 25,000	Rs 55,000

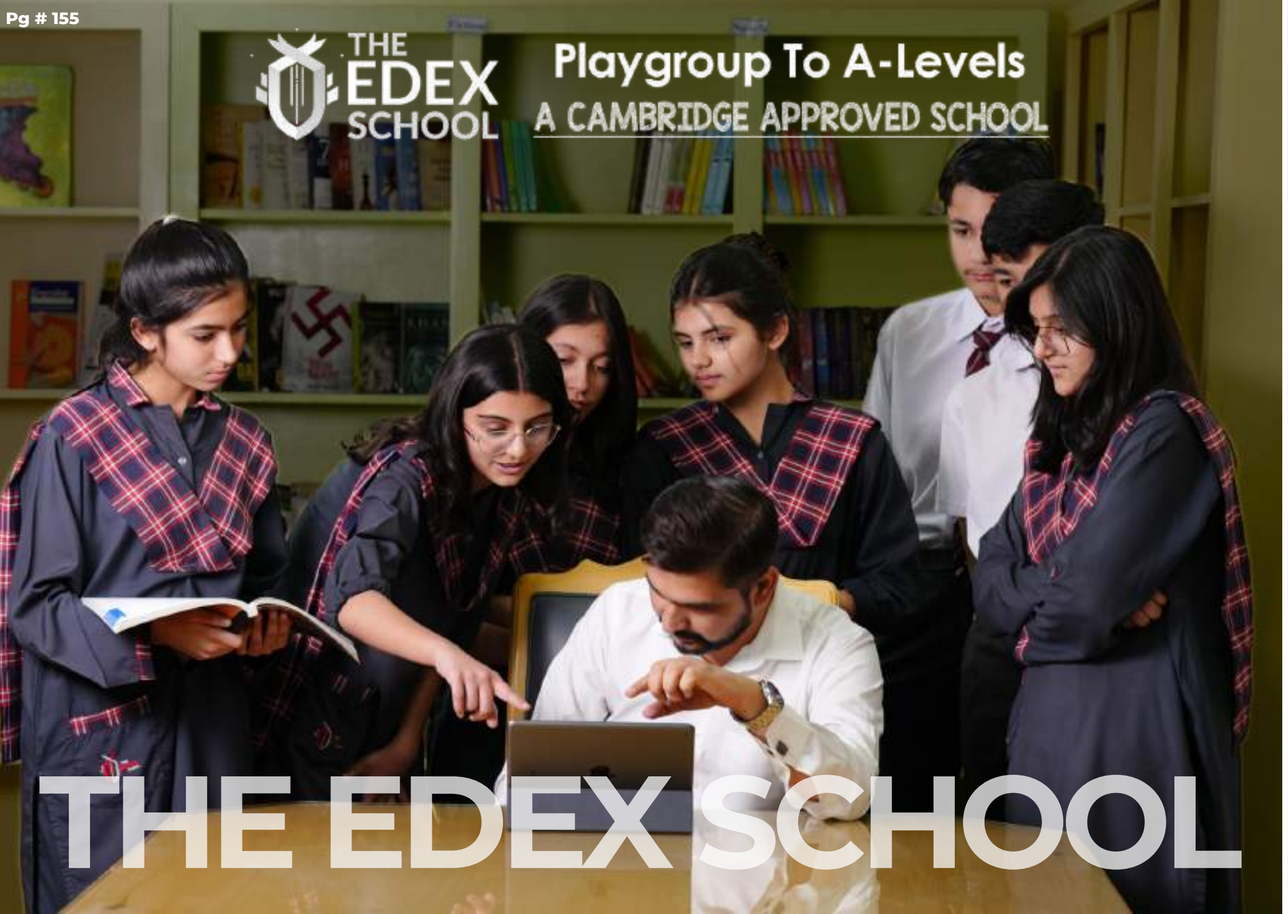
PhD Electrical / Civil / Management Sciences / Computer Science / Mathematics / Pharmacy

Admission Fee	Semester Registration Fee (Minimum 6 Semesters)	Tuition Fee (Minimum 6 Courses)	Research Bench Fee (Minimum 4 Semesters)
Rs. 20000 (Once)	Rs. 5000 Per Sem (2nd Sem Onwards)	Rs.30000 Per Course at CECOS University	Rs. 80000 Per Semester

Thesis Fee	Foreign Thesis Evaluators Fee	Local Thesis Evaluators Fee
Rs. 20000	Minimum $300 Per Thesis Evaluator	Rs. 30000 Per Thesis Evaluator

Note:

1- The fee structure is subject to change on inflationary basis / other reasons.
2- The fee structure is exclusive of levies and taxes.
3- Fine will be imposed on submission of fee after due date.
4- There will be separate fee structure (in US Dollars) for foreign nationals, for each degree programmes.



The EDEX School, established by CECOS University in 2017, is an esteemed educational institute dedicated to providing an exceptional education. With highly qualified faculty, the school offers a serene environment conducive to learning and personal growth. The school employs innovative teaching methods, prioritizing a student-centred approach that fosters active participation, critical thinking, and problem-solving skills.

THE RAFSAN SCHOOL

A NON-PROFIT SCHOOL

THAT SUPPORTS EDUCATION OF UNDERPRIVILEGED CHILDREN

RAFSAN SCHOOL

An institution where we prioritize delivering high-quality education and empowering under- privileged children, while actively promoting social equality. We are committed to recruiting and retaining qualified and passionate teachers who are dedicated to serving underserved communities. Our focus is to create a safe and conducive learning environment, supported by well-equipped facilities including classrooms, libraries, laboratories, and recreational areas.

Since our establishment in 1998, CECOS College London has been widely regarded as a highly esteemed institution in the realm of further and higher education in the UK. Our mission is rooted in providing equitable opportunities for personal, professional, and academic growth of students from all walks of life. At CECOS College London, we deliver educational experiences that are characterized by a strong sense of commitment, enthusiasm, effectiveness and creativity. We are dedicated to preparing our students to take on the next phase of their lives. Our programmes are thoughtfully formulated to ensure that our students receive a rigorous and comprehensive education that can withstand the challenges posed by the fast-paced and ever-changing contemporary world.

Higher Education Programmes

- Business Management BBA (Hons)
- Health and Social Care BSc (Hons)
- HNC/HND Business
- Diploma in Education & Training (Level 5 Teacher Training)
- Master in Business Administration

Further Education Course

- Basic Skills- English and Maths
- IT & Digital
- Healthcare
- Business

All of our foundation programmes embed essential employability skills and have exceptional progression rates of 92%.

We work with leading awarding and funding bodies including Staffordshire University, Newman University, Greater London Authority, West Midlands Combined Authority, West Yorkshire Combined Authority, Pearson and NCFE.



We have been delivering Higher and Further Education courses since 1998 and are justifiably proud of our achievement rates which are in excess of 92%. Our ethos is to help and support those furthest from the workplace who invariably have been out of learning for a considerable period of time. Our methodology is to deliver in settings convenient to marginalised communities, including community centres, community groups and social venues etc.
The qualifications we offer are part of the wider government agenda which focus around jobs

The curriculum we teach not only meets educational standards but also caters to the specific needs and circumstances of needy students. Moreover, we provide essential resources such as textbooks, learning materials, computers and internet access to enrich the educational experience for our students.

At CECOS College we are proud to be firmly embedded within the communities, which we serve and we currently have 4 campuses located in the UK for our FE & HE delivery. Our UK campuses have been specifically selected to be both readily accessible and at the heart of the community:

- Edmonton Green, North London at the heart of the community we serve and the UK Headquarters for CECOS
- Stepney Green, East London - conveniently located in the heart of the east end, with road and rail links
- Barford Street, Birmingham - based in the heart of this vibrant city and ideally situated to be readily accessible by all our students
- Currer Street, Bradford a key location within the Northern Powerhouse near to the entertainment hub and Bradford Broadway Centre




Staff and student welfare is a prime consideration of CECOS College and therefore we are proud of our student cafes at all of our campuses, together with a breakout room and also a non-denominational prayer room. All locations have an extensive library/resource centre with extended opening hours to fit in with the work and family commitments of our students.

ACCREDITATIONS & PARTNERS

KGEMS DAY NURSERY

Knowledgems Day Nurseries is another brilliant project by the CECOS group with two campuses located in Valentine Park, Ilford and Clayhall Park, Ilford. The campuses lie in the heart of greenery and offer a refreshing environment for children's learning. Both campuses are beautifully designed throughout with bright, open areas for babies, toddlers and preschoolers. KGems offers high-quality, flexible childcare for children aged 3 months to 5 years. Knowledgems Day Nurseries aims is to create a happy and relaxed atmosphere for all the children, providing children with the freedom to explore the variety of planned activities suited to their needs.

TUSDEC

CECOS UNIVERSITY

ADB
ASIAN DEVELOPMENT BANK

PESHAWAR LIGHT ENGINEERING CENTRE

Peshawar Light Engineering Centre (PLEC) has been established at CECOS Industrial Liaison Centre, Industrial Estate, Peshawar. The PLEC is a joint venture of CECOS and Technology Upgradation and Skill Development Company (TUSDEC) in partnership with the Asian Development Bank (ADB). The Centre is quite in line with the policy of the Government and Higher Education Commission. This Centre is unique of its kind in terms of public-private partnership which is helping in bridging the gap between academia and industry. The PLEC is exclusive for KPK and other industrial resource centers to upgrade skills and enhance their capacity for improving product quality by using this state of the art facility.

This Centre is providing the engineering industry of KP with modern design and fabrication solutions, training, technical assistance and consultancy in product manufacturing. It is working as a Common Facility Centre (CFC), Product Development Institute and Skill Development, Training and Designing Centre. Apart from this, the Centre is also promoting technology and skill development among students and researchers of CECOS University.

CECOS UNIVERSITY

PRECISION MEDICINE LAB

RMI
REHMAN MEDICAL INSTITUTE

PRECISION MEDICINE LAB

The Precision Medicine Lab is a joint initiative by CECOS University and Rehman Medical Institute. Located in Phase-V Biomedical cluster in Hayatabad, Peshawar, the lab is an affiliate of the prestigious National Centre for Big Data and Cloud Computing (NCBC) hosted by the Project Secretariat at LUMS and supported by the Federal Government of Pakistan through the Higher Education Commission in Islamabad.

It aims to develop integrated genomic and health datasets and use computational methods to help improve individual patient outcomes, especially in cancer, and to improve the development of new drugs and provide enabling technology for drug combination studies and targeted drug delivery.

ADMISSION REGULATIONS

PART-I (Undergraduate Program)

1.GENERAL

Admission to any program in this University shall be made strictly on merit and will be equally open to both sexes. The University, however, reserves its right to devise quotas and preferences when circumstances require such action.

2. How to Apply

Candidates desirous for admission in CECOS University can apply online from anywhere, through the online form available at the University website www.apply.cecos.edu.pk or can obtain the University Prospectus and Admission form from the Main Campus of the University.

3.ELIGIBILITY

3.1 Admission shall be open to the candidates who fulfill the minimum eligibility criteria for the relevant program.

3.2 A candidate having passed any other examination of a Foreign University / Institution / Examination body, with both standard as well as scope wise equivalent to the Higher Secondary School Certificate will have to produce equivalence and conversion of marks certificate issued by the Inter Board Committee of Chairmen (IBCC), Government of Pakistan, Ministry of Education, with the application form.

3.3 A candidate who has passed Diploma of Associate Engineer Examination shall be eligible for admission in the relevant discipline only against the specified reserved seats, if any.

3.4 The eligibility so prescribed shall always remain subservient to the requirements so laid by the relevant accreditation body.

3.5 Apart from the aforementioned criteria, the desiring candidate may also be subjected to any pre-admission test, taken directly or through any third party testing service, as prescribed by relevant accreditation body.

3.6 The University reserves the right to refuse admission, even in case a student fulfils all the requirements / eligibility, without disclosing any reason.

4. ENTRY TEST

All the eligible candidates applying for admission to B.Sc. Engineering programs will have to qualify the Entry Test conducted by Education Testing & Evaluation Authority (ETEA), Government of Khyber Pakhtunkhwa. The candidates applying from other provinces (other than KPK) will have to qualify the Centralized Entry Test of their respective provinces, as prescribed by Pakistan Engineering Council. The candidates applying for admission in other program will have to qualify the Entry Test Conducted by CECOS University.

5. DETERMINATION OF MERIT

The merit of the candidates will be determined according to the following weightage:

a) 10% weightage to S.S.C. Examination (Matric)	SSC % marks x 0.1
b) 40% weightage to Intermediate or equivalent examination (unadjusted marks)	Intermediate % marks x 0.4
c) 50% weightage to Entrance Test	Entrance Test % marks x 0.5

6. Admission Requirements and process

6.1 All the eligibility criterions shall always remain subject to the relevant accrediting / registering body.

6.2 Cases of doubtful or undefined equivalence of any academic qualification, may be considered by the University Equivalence Committee. If deemed necessary, the Committee may also consult other organizations/ authorities of Pakistan that deal with the subject and determine equivalence of foreign Degrees and Certificates.

6.3 Candidates selected for admission shall produce the following documents in original along with one set photocopy for verification at the time of applying / admission:

(a) DMC and Certificate of SSC or equivalent examination. **(b)** DMC and Certificate of Intermediate or equivalent examination. **(c)** Character certificate from most recently attended institution. **(d)** An equivalence certificate or letter from IBCC in case of O/A Level or foreign education. **(e)**CNIC or Form “B” of the applicant and CNIC of his/her father **(f)**Three recent passport size photographs of applicant. **(g)**Undertaking on a Non-Judicial Stamp Paper worth Rs. 100/- minimum, duly attested by the oath commissioner as per prescribed format. (h) Permission and Leave Certificate from the employer in case the applicant is employed anywhere.

6.4 After declaration of results of Entry Test, Admission Committee shall consider all valid applications received for admission by the due date. The Admission Committee will process the applications according to the criteria of admission and availability of seats.
6.5 Candidates provisionally selected by the Admission Committee may be called for interview / admission on a specified date. The selected candidates shall be required to deposit the University dues and complete the admission formalities including the filling of the prescribed class enrolment form by a specified date failing which his / her right for admission shall be forfeited and the seat(s) so vacated shall be filled in from the candidate(s) on waiting list.
6.6 The admissions will be provisional and shall not mean any commitment or entail any legal liability till all the documents have been checked for their correctness by the quarters concerned and the admission is otherwise confirmed by the admission committee in writing.
6.7 If any seat remains vacant in a discipline after the specified date, it will be filled up within thirty days of the commencement of classes by adjustment in the merit list strictly according to the choice(s) given in the admission form.
6.8 If a seat becomes available due to cancellation of admission after commencement of classes, it may be filled up by adjustment from among the students already admitted in the University; provided that no such adjustment may be allowed after thirty days of the commencement of the classes.
6.9 Within thirty days of the last date of admission, particulars of candidates such as Name, Parentage (as per SSC), Domicile, Date of birth, Examination passed and the course to which the candidate has been admitted shall be reported to the Controller of Examinations for entry in the Students Register and issuance of Registration number.
6.10 Documents once submitted with application form cannot be changed and shall be considered as final. All the documents shall be verified from the concerned Boards/ Institutions, if desired by the CECOS University.
6.11 The Merit / Selection list will be displayed on the University Notice Board and the website of the University and it will be responsibility of individual candidate to check his status and meet the admission deadlines.
6.12 University Authorities reserve the right to make amendments in Admission Regulations at any stage. As a result of inadvertent mistake on the part of admission office shall not confer any right of admission of the candidate.
6.13 University reserves right to cancel any admission without assigning any reason at any stage.
6.14 The University may also cancel admission so granted to a student in case his documents / particulars are found fake / false or due to change in eligibility criteria retrospective or prospectively. In such an eventuality, the student shall have no vested right due to his time, efforts consumed and fee deposited.
6.15 Admission of any student is liable to be cancelled if his / her conduct at any stage is found unsatisfactory.
6.16 Students admitted in any program shall not be allowed to participate in any political or union activities.
6.17 The facility of hostel accommodation and transport to students shall be subject to availability of seats.
6.18 If any of the particulars given by the candidate in his/her application for admission are found incorrect or facts suppressed, he/she shall be refused admission. If any incorrect or false statement or suppression of facts is detected after a candidate has been granted admission, the admission shall be cancelled and he/she shall be expelled from the University and shall be liable to any other disciplinary or legal action, the Management may deem fit. A student shall be expelled from the University, if during the course of his/her studies, it is found that he/she was not entitled to admission in the University. Further, the fees and other user charges deposited by him/her shall stand forfeited. In such an eventuality, the student shall have no vested right due to his time, efforts consumed and fee deposited.
6.19 A candidate who is already a bonafide full time student in some other institution is ineligible to apply for admission in the University. If such case is detected his / her admission in the University shall be cancelled. The HEC criteria for dual degrees will be followed in letter & spirit.
6.20 A candidate convicted by a Court of Law on the grounds of moral turpitude or awarded Sentence in Jail, is ineligible for admission.

7. RE-ADMISSION

7.1 If a student on rolls of the University remains absent from classes continuously for a period of 30 days, his/her name shall be struck off the rolls of the university by the Head of concerned Department, with the prior approval of the Competent Authority. Such a dropped student may be re-admitted in the same semester as and when it is offered next time, if the authorities are satisfied that the absence was not willful and was due to circumstances beyond human control
7.2 Re-admission shall not be allowed if the time gap between leaving and re-admission is more than one academic years.

7.4 Re-admission shall be allowed subject to payment of prescribed fee.

8. TRANSFER OF CREDIT HOURS

8.1 Transfer of Credits from other Universities / Institutions

a) The President / Vice Chancellor may admit a student to the University by credit transfer from other Universities or Institutions upon the recommendations of the Credit Transfer Committee of the University.

b) Credit transfer shall not be allowed ordinarily after expiry of two (2) weeks from the commencement of the classes (semester).

c) Credit transfer application will only be entertained on the prescribed application form available at the Admission Office on payment along with relevant documents mentioned on the form.

d) The request for credit transfer will be sent to relevant Head of Department for course evaluation and provision for admitting student. After initial evaluation, if candidate fulfill the minimum requirements for migration, the HoD will send the case to the Convener of Credit Transfer Committee which will consider the case in a formal meeting and will send its final recommendations to the Registrar for getting approval from the President of CECOS University through Vice Chancellor. Upon Approval, the Registrar office will issue notification of credit transfer of student to CECOS University in the relevant degree program.

e) Credit transfer shall only be allowed provided the student seeking credit transfer to CECOS University is still on the rolls of parent University / college / institute.

f) No student shall be allowed credit transfer from a University or Institution in Pakistan unless he / she produces a certificate of good moral character and a certificate to the effect that the student has neither been debarred from taking University examination nor suspended, expelled or rusticated from the university/college/institution from which he / she intends to transfer credits and that no disciplinary action is pending against him / her.

g) Students from a Chartered University / Degree Awarding Institution, recognized by Higher Education Commission and accredited by the respective regulatory bodies can only be considered for credit transfer to the concerned degree program of CECOS University.

h) Credits will be transferred on course to course basis i.e. a person taking course A at University X is allowed to transfer his/her credits to CECOS University provided that course A is equivalent to course B taught at the CECOS University.

i) The credit will be transferred if the Head of the Department concerned is agreeable to accept the applicant considering physical facilities in the department and the evaluation of academic record. Contents of each Course of the parent University must match 75% contents of corresponding course of this University.

j) Only Public sector and centralized entry tests of university will be acceptable for credit transfer cases.

k) For Foreign University Transfer Students, only those cases will be entertained which are listed by the HEC/Accreditation Bodies for the relevant discipline/program.

L) Promotion to every next semester will be subject to fulfillment of promotion condition of minimum required GPA / CGPA and total 'F' grades.

m) A transferring student must have a regular admission at CECOS University and should earn a minimum of 60 credit hours out of a total of 130–140 credit hours from CECOS University for award of degree. A student seeking transfer of credits in undergraduate Program must possess credits of the relevant accredited program and transfer credit shall not exceed 50% of program total credits required.

n) To meet minimum eligibility criteria for credit transfer, the student must have passed his/her previous semesters at his Parent University with minimum 2.00 CGPA. Upto four backlog courses with a maximum of two “F” grades will be allowed in comparison with the course curriculum of CECOS University. The passed courses with a minimum “C” Grade will only be transferred which correspond to courses offered by CECOS University or equivalent in depth and intensity.

o) An application for admission on credit transfer basis shall be accompanied by Detailed Syllabi and Detailed Marks Certificate showing the examinations passed in the preceding semesters and Intermediate/Graduation examination on the basis of which he / she secured original admission in the parent University or Degree Awarding Institute.

p) The deficient subjects of that class/ semester must be notified as his/her backlog, which he / she must pass along with the later classes / semesters. Additional tuition fee will be payable for the deficient subjects / courses in which he / she actually attends the classes.

q) Upon credit transfer to CECOS University, the student will be exempted from studying those courses which S/he has passed in advance from his/her Parent University/Institution provided that such courses correspond to courses offered by CECOS University or equivalent in depth and intensity

r) CECOS authorities reserve the right to reject cases without assigning any reason..

s) Upon credit transfer, the transferring student shall be bound by all the rules and regulations of the University and shall submit the undertaking(s) otherwise given by the ordinarily admitted students. The admission will be allowed on the production of all relevant documents including enrolment date certificate at parent institution, original Transcript and migration certificate and all other relevant documents.

8.2 Credit Transfer to other Universities / Institutions

a) A student desiring to leave CECOS University in order to join another University or Institution shall apply to the Head of the respective Department on the prescribed form and will deposit the prescribed fee.

b) No NOC / Migration Certificate shall be issued for credit transfer unless the student has cleared all the University dues including full fee of the running semester. Running semester fee will be due after completion of first week of that semester.

c) In case of a student who has been debarred from taking University Examination or has been expelled or rusticated, from the University, no Migration certificate shall be allowed as long as the punishment is in force.

d) A student who has obtained Migration Certificate for credit transfer from CECOS University but has not secured admission in another University may be readmitted to CECOS University if allowed by the Vice Chancellor provided his / her absence does not exceed 15 days and he/she surrenders the Migration Certificate issued to him / her.

PART-II (Graduate - MS Programs)

9. The Master's degree program is open to candidates who have obtaineda degree in their undergraduate programand have potentials to pursue advancedstudies.

10. Candidates seeking admission to Master's degree program must have Bachelor's degree (at least 16 years of education) in the relevantdiscipline/field.

11. Application on the prescribed form shall be submitted to the concerned Head of Department on or before the last date advertised in the newspaper, after which no application shall be entertained.

12. The applicants seekingadmission in anyMaster's or equivalent degree Programs will have to qualifyGAT-General test with minimum 50% marks arrangedby CECOS University or any othertesting body authorized by the university.

13. On the recommendation of Admission Committee, the Vice Chancellor shall approve the names of the candidates selected for admission.

14. The admission of candidates shall be confirmedafter he/she has deposited the prescribed fee with the University within the period specified for this purpose.

15. No studentwill be admittedafter four weeks of the startof classes.

16. The Office of Graduate Studies shall forward to the Controller of Examination the particulars of each studentadmitted for the first time, within a period of 30 days of completion of admission. The Controller of Examination shall assign registration number to each student, if not already registered.

17. Admission of any studentis liable to be cancelledif his/her conductat any stage is found unsatisfactory.

18. Students registered for graduate study Programs shall not be allowed to participate in any political or union activities.

19. If any of the particulars given by the student in his/her application form are found incorrect or facts suppressed, his/her admission shall be refused.If any incorrect or false statementor suppression of fact is detected after a candidatehas been granted admission, his/her admission shall be cancelled and he/she will be expelled from the University at any time during the course of his/her studies with the approval of Vice Chancellor.

20. A candidate who is alreadya bonafide fulltime student in some otherinstitution is ineligible to apply for admission. If such case is detected his/her admission shall be cancelled.

21. At the time of admission, selected students shallsubmit an undertaking to abide by the Rules and Regulations of CECOS University. This shall be according to the prescribed proforma on a non-judicial stamp paper worthRs.100/- and dulyattested by a gazette officer/Oath Commissioner. Master's students shall also be bonafide students of the University and as such all rulesand regulations regarding discipline and other provisions applicable to other students, shall be equally applicable to them.

PART-III (Graduate - PhD Programs)

22. PhD Degree Program is open to candidates who possess a minimum CGPA of 3.0 (out of 4.0 in the semester system) or 60% (in the annual system) in the MS/MPhil/equivalent degree, whether such degree was obtained from Pakistani or foreign universities. In case of foreign qualification, HEC equivalence shall be mandatory. If the CGPA/Percentage is not mentioned on the transcript, the candidate must produce equivalent weightage from the parent university.

23. Students having strong demonstrated interest in pursuing PhD degree, with a CGPA below 3.00 (out of 4.0 in the semester system) or 60% marks (in the annual system) in the most recent degree obtained, can be admitted to PhD program after fulfilling the following requirements. The minimum CGPA threshold of 2.5/4.0 for admission to doctoral degree programs shall however be satisfied.

a. Studying additional courses of 9-12 CH of MS/MPhil/equivalent level by taking a zero semester at CECOS university having a minimum score of 3.00 out of 4.00 GPA in the courses, and

b. The admission committee is satisfied that the applicant's knowledge of primary area (MS/MPhil/equivalent) sufficiently prepared him or her to undertake the course of studies of the doctoral program.

24. Candidates having completed their MS/MPhil or equivalent degree program by coursework are eligible to apply for admissions in PhD degree programs. However, such candidates must have a paper publication as first/corresponding author in a HEC recognized Journal.

25. The candidate must have passed GRE/HAT General test conducted by the university with at-least 60% marks. The GRE/HAT General or equivalent test (with at-least 60% marks) conducted by testing bodies accredited by HEC will also be acceptable.

26. The candidate(s) shall apply on a prescribed form duly filled along with Statement of Purpose, Curriculum Vitae and list of any previous research publications, two reference letters, official result of GRE/HAT-General Test, copies of SSC, HSSC, BS and MS degrees along with their transcripts on or before the last date prescribed by the university, after which no application shall be entertained.

27. The Statement of Purpose submitted by the candidate among other details must include the following:

a. Title of the potential research proposal

b. Clear articulation of the current understanding of the intended field and ideas for potential research

c. Explanation of the intended impact of the proposed research

28. The PhD Admission Committee will scrutinize the application(s) and conduct interviews of the applicant(s) to ascertain their preparedness, interest and motivation in pursuing doctoral studies in the chosen field.

29. The applicant(s) selected for admission in the PhD Program will be informed by the concerned Head of Department and their names will be notified on the notice boards of the concerned Department as well as Office of Graduate Studies. A PhD Supervisor and Co-Supervisor (wherever required) will be assigned to each doctoral student which will be duly notified by the Office of Graduate Studies.

30. The admission of applicant(s) shall be confirmed after depositing the prescribed fee within the period specified for this purpose.

31. No student will be admitted after four weeks of the start of the classes.

32. The Office of Graduate Studies will forward the particulars of newly admitted students to the Controller of Examination within a period of 30 days of the completion of admission process. The Controller of Examination shall assign registration number to each student, if not already registered.

33. Admission of any student is liable to be cancelled if his/her conduct at any stage is found unsatisfactory.

34. If a student wants to change the research topic after selecting a topic, he/she will submit his/her request to Research Supervisory Committee (RSC), which will decide about such cases keeping in view the availability of Research Supervisor for the selected field and other related issues.

35. Students registered for PhD program shall not be allowed to participate in any political or union activities.

36. The facility of hostel accommodation to PhD students shall be provided subject to availability.

37. The admission shall be denied to an applicant if any of the given particulars in the application form are found incorrect or facts suppressed. If any incorrect or false statement or suppression of fact is detected after a student has been granted admission, his/her admission shall be cancelled, and he/she will be expelled from the University by the Vice Chancellor at any time during the course of his/her studies.

38. An applicant who is already a bonafide full time student in some other institution is ineligible to apply for admission. If such case is detected, his/her admission shall be cancelled.

39. At the time of admission, selected applicant(s) shall submit an undertaking to abide by the Rules and Regulations of the University. This shall be according to the prescribed proforma on a non-judicial stamp paper and duly attested by a gazetted officer/Oath Commissioner. The PhD students shall also be bonafide students of the University and as such all rules and regulations regarding discipline and other provisions applicable to other students shall be equally applicable to them.

40. All the rules and regulations for MS Program marked with “Also, applicable to PhD students” mentioned under the heading “Rules & Regulations for MS Program” shall be equally applicable to PhD students.

41. REFUND POLICY (Applicable to all programs)

41.1 Admission Fee paid by the student at the time of admission will not be refundable.

41.2 The Tuition Fee refund policy of the University is as under:

%age of Tuition Fee	Timeline*
Full (100%) Tuition Fee Refund	**Up to 10th day of commencement of classes**
80% Tuition Fee Refund	**Up to 15th day of commencement of classes**
60% Tuition Fee Refund	**Up to 20th day of commencement of classes**
50% Tuition Fee Refund	**Up to 30th day of commencement of classes**
No Fee (0%) Refund	**31st day onwards of commencement of classes**

* The timeline will be considered from the day of orientation session regardless of whether the admitted student attends the classes or not.

10. SPECIAL PROVISIONS (Applicable to all programs)

10.1 Interpretation of these Rules by the authorized officers of the University shall be final. In all cases where these regulations are silent, the decision of the President / Board of Governors of the University shall apply.

10.2 The University /Institution authorities reserve the right to make any change in the existing Statutes, Regulations, Rules and Courses of study that may be considered necessary at any time without prior notice.

10.3 Those candidates, who are employed in some organizations, must produce a permission letter from the employer at the time of their admission, clearly affirming that they shall be on leave from duty, for the daily study hours (6 hrs/day, 6 days/week) during the full duration of the course.

10.4 The Rules and Regulations pertaining to admission, promotions, maintenance of discipline etc. contained in the University Prospectus shall apply to all the students admitted during the session. However, any change / alteration, if deemed necessary shall be made by the University authorities and will be applicable from the date the Management so desires.

10.5 A student will cease to be a regular student as soon as the final semester examination immediately following the academic session, in which he/she was a regular student, concludes. Such a student shall not be entitled to privileges permissible to regular students.

10.6 The students are required to be aware of the rules and regulations mentioned in the University Prospectus and notified from time to time. Ignorance of the rules and regulations shall not be an excuse for claiming any relaxation in this regard.

10.7 In case of any litigation, the cost thereto shall always be borne by the student who shall make out the same as his dues towards University.

10.8 The University assumes no responsibility what so ever if any loss of life is occurred or the student(s) get(s) harmed or injured during the course of studies in the University premises, hostel(s), survey camp or on the study / excursion tours.

11. FEE CONCESSION POLICY (Applicable to all programs)

11.1 50% concession in tuition fee to the employees of CECOS University and its constituent / sister institutions (who have completed the probation period) in course(s) of studies offered on weekends.

11.2 40% concession in tuition fee to sons / daughters of full time regular employees (who has completed the probation period) of CECOS University and its constituent/sister institutions (only one son/daughter at one time).

11.3 20% concession in tuition fee to real brothers / sisters of the full time regular employees (who has completed the probation period) of CECOS University (only one brother / sister at one time).

11.4 20% tuition fee concession to all female students.

11.5 20% tuition fee concession to kinship (brother / sister concession).

11.6 15 % tuition fee concession to the sons / daughters of armed forces personnel (including retired personnel).

11.7 50% concession in Tuition Fee for Gold Medalists of BS program of CECOS University who get admission in MS Program during one year of their graduation.

11.8 25% Fee concession in tuition fee for the graduates of CECOS University who get admission in MS programs.

11.9 No concession will be allowed in Research/Thesis fee.

12. Merit and Need based Scholarship (Applicable to undergraduate programs)

12.1 The University need based scholarships are available to all those students who may not be able to support themselves due to financial problems. The University Financial Assistance Committee is constituted to deal with all such cases and based on the recommendations of committee students are given possible financial relief.

12.2 Limited merit based scholarships are available on the basis of Intermediate marks of the candidates. Such scholarships are given on first come first serve basis and are subject to availability of seats. The candidates selected on Intermediate marks based merit scholarship will have to maintain minimum 3.33 CGPA for continuation of scholarship in every next semester. In case the CGPA falls below 3.33 in any semester, the scholarship will be cancelled for subsequent semesters.

Note: *Only one concession/scholarship, whichever is higher, will be applicable at a time. If a student admitted does not claim any concession at the time of admission but later applies for one, it will be granted from the date of application onward and not retrospectively.*

STUDENTS' ATTENDANCE AND LEAVE RULES

1. Attendance Rules

a. A student must have attended at least 75% of the classes held in a course in order to be allowed to sit in the final examination.

b. Student having class attendance less than 75% in a particular course will be required to repeat the course when offered again.

c. Willful absence from classes for a period of four weeks at a stretch during a semester/summer session shall result in automatic cancellation of the registration of a student from all courses in that semester/summer session.

d. No make up will be arranged for the Assignments, Quizzes, Presentations and Sessional Tests etc; if missed by the student(s), whatever the reason.

e. The attendance shall be rounded upto two decimal places only.

f. There shall be no make up classes in order to make up the shortage of attendance of any particular student.

2.Leave Rules

2.1 A student can avail two days leave in a month in case of emergency or for any other genuine reasons.

2.2 In case of any eventuality when the duration of leave is for more than two consecutive days, the leave application shall be countersigned by parents/guardian.

2.3 If a student needs leave on medical grounds, he will submit leave application duly supported with medical certificate issued by an authorized medical officer, advising bed rest. Application must invariably be countersigned by parents / guardian.

2.4 The leave application must be submitted before availing the leave. However, in cases of emergency, the application should be submitted on the very first day of resuming the classes by the student. Application submitted later on will not be entertained.

2.5 A student who remains on leave(s) will not be given any relaxation in the minimum attendance requirement of 75%.

2.6 In case, a student is allowed to attend classes or sit in any examination provisionally / as an interim measure by the order of any judicial or other authority, including a court of law, university shall have the right to postpone the declaration of his / her result pending final determination of the dispute where for the proceedings were initiated and such provisional / interim steps were ordered. In case the determination is to the effect that the student was not eligible to take such examination, the university shall have the further right to cancel the examination(s)/paper(s) provisionally taken under the interim order(s).

3. Leave procedure

3.1 Teacher will regularly maintain the student attendance record and ensure that it is updated during each and every period by marking "P" in the relevant box of the attendance roll when a student is present or marking "A" when absent.

3.2 The teacher will avoid any overwriting and shall use the remarks column when the student record needs any alteration or explanation.

3.3 The student desiring to avail leave will submit application to the Chairman/Director, who will check his / her attendance to confirm that he / she has not availed two days leaves during the month. If he/she had already availed the leave the Chairman/Director may not allow the leave.

3.4 At the end of each week / month the teacher will finalize the attendance of the student in the card and prepare his / her follow up progress report. He / She will submit the same to the respective Chairman / Vice Chairman / Incharge, who will forward it to the Director / Dean with his / her comments.

3.5 In addition, the concerned staff of the College / Institute will be responsible to maintain the attendance record and will display class wise attendance on notice board.Moreover the College / Institute has to forward attendance profile on proper intervals to Controller of Examinations / Registrar Office through Director / Chairman and shall notify the shortage of attendance, if any, well before commencement of examinations.

3.6 A student who remains absent from a class for six consecutive days or ten days in a semester without information shall be suspended from the classes or fined Rs. 200/-. If he/she remains absent from classes for further period of 20 days, his / her name shall be struck off the rolls of the College / Institute. However, in genuine cases the Vice Chancellor may allow re-admission, in the same semester, when offered, on payment of admission fee.

3.7 No prior notice shall be required if a student is found short in his attendance and the University is either proposing to strike him / her off the roll or about to prevent him from examination because of shortage in required attendance.

4. Late Admission

Students can be allowed admission upto 4th week of the commencement of classes, subject to availability of seats. If the student gets late admission, then his/her attendance will be counted from the date of his admission.

5. Non-Credit Classes

The attendance requirement for non-credit classes will be similar to the regular classes and it will be properly examined. A separate certificate for passing such courses will be awarded by the University.

STUDENT CODE

PART – I: STUDENT DISCIPLINE POLICY

Policy Statement

1. CECOS University is a community and has an obligation to provide a safe teaching and learning environment for its students and promote research. This Policy is designed to support students, staff and visitors by providing a mechanism through which behaviour or actions contrary to the Principles of Dignity at Work & Study and the University's expectations on conduct can be addressed. CECOS is an adult learning and social environment and we treat all our students as independent and mature individuals who are expected to act responsibly and appropriately.

Purpose

2. The "Student Discipline Policy" is devised to ensure exemplary behaviour and conduct of students which they can achieve by displaying the highest degree of moral and ethical values. Also, the important goal of the policy, and its processes for the resolution of student misconduct, is to teach students to live and act responsibly in a community, with respect for the rights of other students and faculty, for the property & common resources, and the regulations /policies associated with that community.

Prohibited Acts

3. The following behaviours, or attempted behaviours, will be considered violations of the Student Code of Conduct and will be subject to disciplinary actions by the university:

a. Misuse, Abuse or Destruction of University Property

Intentionally or recklessly destroying or damaging, or attempting to destroy or damage, University property (including books, furniture, equipment etc.) or the property of others on University premises or at University-sponsored activities.

b. Assault, Harassment and Threatening

These include intentionally or reckless acts endangering, threatening, or causing physical or mental harm to any person, or oneself, on University premises or at University-sponsored activities, or intentionally or causing reasonable apprehension of such harm including, but not limited to abusive language and/or physical assault or verbal intimidation, sexual harassment and bullying.

c. Audio/Video Recording and Photography

Using electronic or other means to make a video or photographic record of any person in a location where there is a reasonable expectation of privacy without the person's prior knowledge, when such a recording is likely to cause injury, distress, or damage to the reputation. It also includes the storing, sharing, and/ or sharing of such unauthorized records through any digital/electronic/print media.

d. Student Protest / Strikes

The University is committed to academic freedom and civil discourse. A student protest or other public demonstration may be permitted so long as it is peaceful, non-obstructive, and respectful of the rights of other students, faculty, employees and University guests. Disruptive conduct (which prohibits both academic and non-academic activities) on University property is prohibited and will subject the violators to strict disciplinary action, up to and including immediate, interim suspension pending the hearing and/or expulsion from the university under the procedures outlined in the Student Code of Conduct.

e. Providing False Information, Forging or Illegal use of Documents

University considers any falsification or forging of documents or information a direct violation of academic integrity & misconduct, which may include the following:

i. Plagiarism.
ii. Cheating.
iii. Self-plagiarism.
iv. Impersonating Another Person in a Test or Exam.
v. Buying or Otherwise Obtaining Term Papers or Assignments.
vi. Falsifying, Misrepresenting or Forging an Academic Record or Supporting Documents.

f. Firearms, Explosives and Hazardous Materials

Storage/possession/usage of dangerous weapons, devices, or hazardous materials including biological/chemical, but not limited to, firearms, ammunition, or fireworks.

g.Drugs and Intoxicants

Smoking is strictly prohibited in the University premises including classroom, laboratory, examination hall, workshop, library, auditorium or convocation hall and at all other places where academic activities are conducted. Consumption of alcoholic liquor or other intoxicating drugs within the University Campus or hostels or examination hall or during the instructional sports or cultural tours or survey camp, or enter any such tour or camp, is strictly forbidden.

j. Gender Mixing

Students are strictly reminded to follow the accepted social and cultural norms of society. Undue intimacy and unacceptable proximity, openly or in isolated areas will not be tolerated. The tendency of taking advantage of common places like cafeterias, shops etc. is objectionable and undesirable. Also, students are advised to avoid movement in mixed groups on the campus after sunset.

k. Off-Campus Conduct.

Conduct occurring off-University premises is such that it should not affect the interest/image of the University.

Indiscipline Acts

1. A student who:

a. Commits a breach of the code of conduct specified in para-3 and commits any of the prohibited acts specified in clauses 3(a to k), or disobeys the lawful instructions/ directives of a teacher or any other person in the position of authority in the University.
b. Violate the undertaking/agreement submitted by the student at the time of admission.
c. Habitually neglects his/her work or habitually absences him/herself from his/her class without a valid reason.
d. Eating in the classroom or lab.
e. Willfully damages public/University property or the property of a fellow student or any teacher or any employee of the University.
f. Does not pay the fees, fines or other dues payable under the University Regulations and Rules.
g. Does not comply with the rules relating to the residence in hostels.
h. Use mobile phones in classrooms, examination halls, labs and libraries thus disrupting the calm of the said rooms.
i. Uses indecent language, wears an immodest dress, makes indecent remarks or gestures or behaves in a disorderly manner.
j. Commits any criminal, immoral or dishonorable act (whether committed within the University Campus or outside).
k. Commits any act which is prejudicial to the interest of the University.
L. Damaging or interfering with the normal operations of the electronic/ IT systems of the University through any means.

m. Indulging in cyber-crime.
n. Make unauthorized access or entry to, or use of University facilities and equipment, unauthorized possession, duplication or use of keys to any University premises, facilities or equipment.
o. Non-adherence to the Federal, State, and Local Laws.

Dress Code

5. To maintain the academic dignity and sanctity of the institution, students and staff of the University are required to wear a decent dress. Students are requested to wear the proper dress mentioned in subsequent paras. The dress restriction is not to impose any rigidity but is in accordance with the spirit of discipline and punctuality which is the cardinal aspect of lifestyle at the University.To abide by the student dress code, a student should not:

•Wear a tight or see-through dress.
•Wear Tee-Shirts.
•Wear torn clothing.
•Wear jogging or exercise shoes,
•Put on excessive makeup or wear jewelry/ornaments.
•Wear an untidy, gaudy or immodest dress in classrooms, cafeterias and university offices.
•Wear unprofessional attire in formal programmes and interviews.

PART – II: STUDENT DISCIPLINE BODIES AND PROCEDURE

Proctorial Board

6. The Proctorial Board consists of faculty members from various Departments for ensuring proper conduct & discipline in the campus. They can be approached by any student for help whenever required. The Proctorial board in the university shall comprise:
•Chief Proctor from faculty of a university or otherwise so nominated by the president/vice-chancellor.
•One male staff proctor from each department.
•Female staff proctor as per need of the board.
•Two senior proctors (senior students from each department).
•Student proctors from different classes as per the need of the board.

Duties and responsibilities of the Proctorial Board

The Proctorial Board, so constituted will carry out such duties to derive the objectives set in the code of conduct as stated above, enabling to reform a student for shouldering responsibility towards the society as well as to the country with noble objectives in a befitting manner. The duties and responsibilities of the Proctorial Board will be as under:
•Ensuring strict implementation of conduct and discipline regulations at university and during curricular and co-curricular activities; i.e. orientation sessions, functions, seminars and conferences, sports competitions, convocation etc.
•Support the management of the university in implementing law & order on the university premises.
•Resolving minor issues, disputes and indiscipline cases on their own, wherever possible.
•Processing the cases of serious violation of the rules and reporting the same to the management of the university.
•Conducting awareness sessions with the student proctors regarding the conduct and discipline regulations.
•Keep the management updated on all the important matters related to the conduct and discipline and other related activities.

Removal of Proctor/ Proctorial Board

The President / Vice-Chancellor or any other authorized officer shall have the right to change or remove any member of the Proctorial board at any time without assigning any reason. The President / Vice-Chancellor will also have the right to dissolve the Proctorial board at any time.

Student Discipline Committee (SDC)

7. The constitution of the departmental discipline committee will be as under:

Dean Student Affairs (DSA)	**Convener**
Chief Proctor	**Member**
Departmental Proctor(s)	**Member/s**
Academic Coordinator of Concerned Department	**Member/ Secretary**

Unfair Means Committee (UMC)

8. The constitution of the Unfair Means Committee will be as under:

Dean Faculty of Computing & Management	**Convener**
Dean of Concerned Faculty	**Member**
HoD of Concerned Department/s	**Member/s**
Controller of Examination	**Member/ Secretary**

University Discipline Committee (UDC)

9. For addressing all issues of students' discipline, University has formed a committee which comprises of following:

Dean, Faculty of Life Sciences	**Convener**
Dean Students Affairs	**Member**
Concerned HoD/s	**Member**
Chief Proctor	**Member**
Deputy Registrar (Academics)	**Member/ Secretary**
Director QEC	**Observer**

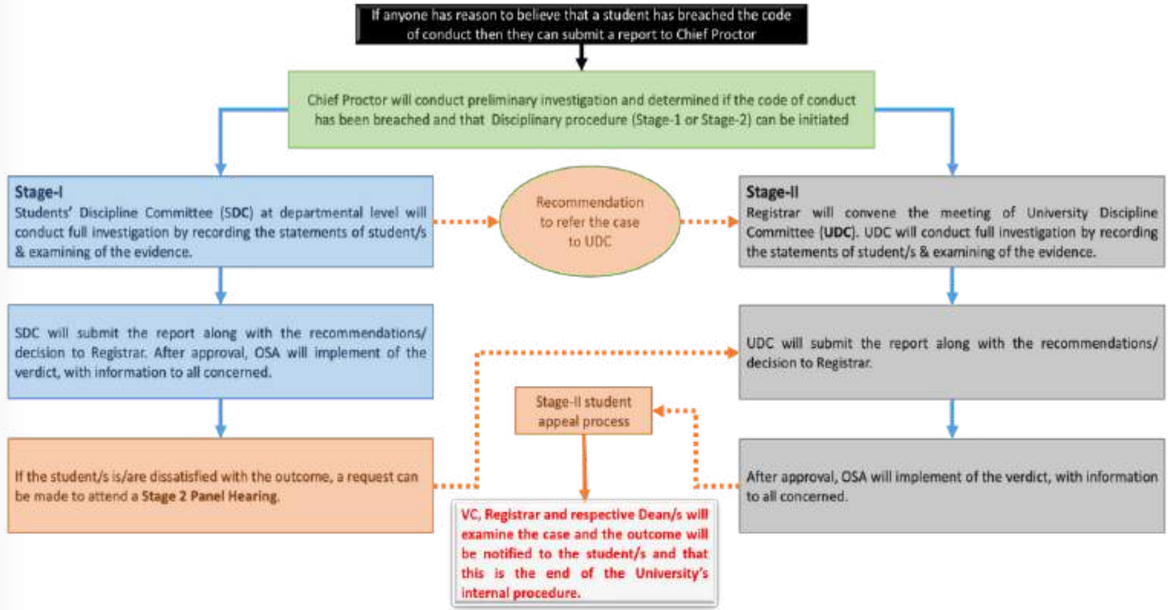
Disciplinary Process

10. 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 confines of the University. Should such misconduct occur in a classroom when the student is under the charge of any instructor/supervisor, the latter shall report the matter, without delay, to the Head of the Department/ departmental proctor.

11. The Librarian shall be responsible for the 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 Chief Proctor.

12. The Senior Warden and the deputy warden shall be responsible for the maintenance of order among the students in the hall of residence or hostels. The Sports Coordinator shall be responsible for the maintenance of order among the students on or near the playground or while otherwise under his charge.

13. All matters of indiscipline would then be referred to the Chief Proctor, who would adopt the procedure as annotated in the flow chart appended below:



Punishment/ Penalties

14. Punishment or penalty for acts of ill-discipline shall be according to the gravity of the case and may be any one or more of the following:

a.Minor Punishments

Penalty	Description	CA to impose Penalty
Probation	Probation for a specific period	HoD/Dean/VC
Fine	Fine which may amount up to Rs. 10,000	UDC/VC
Removal/ Withdrawal	Removal from classroom laboratory, workshop or fieldwork for not more than two such consecutive periods/events.	Concerned faculty member
	Withdrawal from games or field for not more than one week.	Sports incharge
	Withdrawal from educational or sports tour or survey camp.	HoD
	Removal from the hostel for a specified period, or permanent removal from the residence hall	Warden/Registrar/UDC/VC
	Suspension from the department/classes for a period not exceeding two weeks.	HoD
	Withdrawal from the library for not more than two weeks.	Librarian
	Removal from a position of authority in Students' Society.	VC/ Registrar
Fine	Fine not exceeding Rs: 500/-	Faculty member, Warden, workshop/lab supervisor, sports incharge or librarian
	Fine not exceeding Rs: 1000/-	Chief Proctor, Staff Proctor
	Fine not exceeding Rs: 2000/-	HoD
	Fine amounting up to Rs. 10000/- for bringing the mobile phone to the examination hall	Controller of Examinations
	Cancellation of remission of fees or University Scholarships.	Director Welfare
Withholding of Certificate	Withholding of a certificate of good moral character	HoD
Removal of Privileges	Deprivation from the privileges enjoyed by the student	HoD
Examination Offences	Award of F grade in a course of studies	SDC/HoD
	Cases of indiscipline in examination halls or around.	SDC/HoD
	Use of Unfair means	UMC

b. **Major Punishments**

Penalty	Description	CA to impose Penalty
Expulsion	Expulsion from the class for a specific period up to one semester	UDC/VC
Fine	Up to Rs. 50,000	UDC/VC
Exam Result	Cancellation of examination result (complete semester courses)	UMC/UDC
Rustication	Expulsion or rustication from the university for a specific period	UDC/VC
Termination	Permanent expulsion from the university	UDC/VC

Enforcement of Code of Conduct.

15. The students' code of conduct would be enforced in the following manner:

a. Parents of those students who disobey authority and violate the code of conduct will be informed.

b. The Students may be held accountable for the acts of misconduct of their guests while on University premises or at University-sponsored activities.

c. Students who are charged with violations of this Code are subject to disciplinary action under CECOS rules/regulations/statutes.

d. When a case against a student is referred to the Committee, the Committee may, if it deems fit, suspend the student from University Rolls and /or direct him to vacate the hostel till the decision of the case.

e. The Vice-Chancellor, in case of an emergency to be recorded in writing, may take emergency action against a student or students pending reference to the discipline committee in form of rustication or expulsion and order the removal of a student from the University or ban his / her entry in whole or any part of the campus or other facilities offered by the University.

f. No student shall be rusticated, expelled from university or made liable to pay damages unless he/she has been allowed a reasonable chance of personal hearing against the accusations levelled against him/her.

g. Such orders made and announced by the appropriate authority in case of suspension shall be effective immediately without any hindrance. However, in the case of rustication or expulsion when in the opinion of the discipline committee, the penalty of rustication, expulsion or pecuniary penalty is not called for in a case referred, it may impose any other penalty or penalties as deemed appropriate.

h. The President may, at his discretion, revise/amend these rules or relax the same in any special case.

i. The President, on the recommendations of the discipline committee or suo-moto, may impose or waive any of the penalties listed above or refer any case to the special committee constituted for the purpose to review the decision.

Appeals

16. A review petition against the imposition of a penalty may be made within a week to the committee/teacher/officer who imposed the penalty. In case the student is not satisfied with his decision/revision he may appeal to the Vice-Chancellor, who shall place it before the Applet Committee for its consideration and decision within a maximum of two weeks to dispose of the case.

Emergency Powers

17. The Vice-Chancellor, in case of an emergency to be recorded in writing, may take emergency action against a student or students pending reference to the discipline committee in form of rustication or expulsion and order the removal of a student from the University or ban his / her entry in whole or any part of the campus or other facilities offered by the University.

Notes:

- Each member of the University community is issued a picture Identification /Registration card or visitor's pass and must wear it at all times while on University premises or at University-sponsored activities. Identification/Registration cards must be presented upon entering University premises.
- Identification/Registration cards are not transferable. The owner of the card will be called upon to account for any fraudulent use of his or her identification card and will be subject to disciplinary action by the University if he or she has aided such fraudulent use. The card will be forfeited if the student to whom it was issued allows any other person to use the same.
- Upon card owner's withdrawal/rustication/expulsion from the University, all rights and privileges related to the identification card automatically cease. If the student withdraws or is suspended or expelled, from the University, the identification card must be surrendered to the institute.
- No visitors and guests are allowed to enter the University premises or at University-sponsored activities without the written permission of the responsible authority.
- All permitted/allowed visitors or invitees shall conduct themselves, at all times, in a manner which is consistent and in line with the maintenance of orderly behaviour on the University premises.

EXAMINATION RULES & REGULATIONS

Part-I UNDERGRADUATE PROGRAMS

1. PROGRAM STRUCTURE

Degree Program	Minimum Duration	Maximum Duration
• B.Sc Engineering • B.Sc Engineering Technology • BS Robotics and Artificial Intelligence • BS Computer Science • BS Software Engineering • BS Artificial Intelligence • BBA • BS Accounting and Finance • BS Business Analytics • BS Biotechnology • BS Medical Lab Technology • BS Dental Technology • BS Anesthesia Technology • BS Radiology Technology • BS English • BS Nursing	4 Years	7 Years
• Bachelor of Architecture • Doctor of Pharmacy • Doctor of Physical Therapy	5 Years	8 Years
Semester Duration	16 - 18 Weeks (including examination)	
Number of Regular semester	2 in one Calendar year	
Number of Summer Session	1 in one Calendar year	
Course Load per Semester	As per scheme of studies approved by Board of Study/Academic Council	

2. CREDIT HOURS

2.1 A credit hour means teaching/earning theory course for one hour (50-60 minutes) each week throughout the semester.

2.2 One credit hour in laboratory or practical work/project would require lab contact of three hours (each hour of 50-60 minutes) per week throughout the semester.

3. FRAMEWORK OF UNDERGRADUATE PROGRAMS

3.1 All 4-year undergraduate degree programs will be composed of minimum 130. The Minimum credit hours for 5-year degree program will be 170. The minimum and maximum credit hours are subject to meeting the requirements of the respective Accreditation Councils.

3.2 The structure of undergraduate/equivalent degree programs is designed to balance general education, disciplinary, interdisciplinary, and practical requirements to enhance the likelihood of student success. The structure of all undergraduate/equivalent degree programs, irrespective of field of study, program duration and licensure requirements, is comprised of the following set of mandatory requirements:

a) General Education (Gen Ed) Requirements:

This component comprises of the mandatory courses of general education of 30 credit hours aimed to prepare students to refine their scholarly abilities to reason and communicate clearly and effectively. The provision of general education courses ensures that every student is acquainted with the broad variety of fields of inquiry and approaches to knowledge and skills. It offers students an intellectual foundation for their academic, professional, and personal attributes while focusing on critical thinking and writing, speaking or quantitative skills. The minimum requirement for the general education component is 30 credits in all the undergraduate/equivalent degree programs. More courses can however be added as and when required provided that the minimum credits and course categories as prescribed are maintained.

b) Major (Disciplinary) Requirements:

A major is the academic discipline or a specialized area of study in which the degree is offered. The minimum requirement to complete a single major is 72 credit hours. This is valid for all undergraduate/equivalent degree programs.

c) Interdisciplinary/Allied Requirements:

Interdisciplinary courses are those offered in allied or complementary disciplines to reinforce the notion of interdisciplinary competency and to support horizon of the major. The minimum requirement intra disciplinary / allied course is 12 credit hours.

d) Field Experience/Internship:

Field experience is a professional learning experience that offers meaningful and practical work experience related to a student's field of study or career interest. It is an opportunity to apply knowledge gained in the classroom with practice in the field. The minimum requirement Filed Experience / Internship is 03 credit hours.

e) Capstone Project:

A capstone project allows students to bring together the concepts, principles and methods that they have learned in their course of study and to apply their knowledge and acquired competencies to address the real world problems. The minimum requirement capstone project is 03 credit hours.

4. FALL/SPRING SEMESTER

There will be two regular semesters (Fall & Spring) in an academic year. Fall/Spring semesters will spread over 16-18 weeks (inclusive of 1 – 2 weeks for exams).

5. SUMMER SEMESTER

5.1 Summer semester will be offered as an optional semester of 08-09 weeks' duration. Students will be offered courses to remove deficiencies and can enroll in up to a maximum of 09 credit hours during summer. The Head of the Department may allow a course load of one credit hour above the maximum limit allowed to a student in a summer semester if by doing so the student can graduate in that very semester.

5.2 Moreover, a student who has either failed or has been stopped to take the examination due to shortage of class attendance or wishes to improve his/her grade will be allowed to register in summer.

5.3 The contact hours per week during the Summer Semester will be doubled to ensure that the course is completely taught in a summer session within half of the duration as compared to a regular (Fall/Spring) semester.

5.4 To offer a course in Summer Semester, the minimum number of students should be 5 or above. A course may be offered with less than 5 students only if at least one of the student(s) is graduating in that very semester and needs the course to graduate and also provided that the course will not be offered in the subsequent Fall semester. In case only one student registers in the course, he/she will have to pay double fee of that course.

5.5 No “A & A-” grade shall be given in Summer Semester. “C+” grade will be used as Class Mean.

6. COURSE LOAD FOR FALL AND SPRING SEMESTERS

6.1 An undergraduate program of instruction generally includes a 15-18 credit hours course load, except those program that ranged 18-22 credit hours as per scheme of studies recommended by relevant accreditation body/HEC, including exams in a regular semester.

6.2 In case any student wishes to enroll for one more course beyond 18 Credit Hours s/he may be allowed by Head of Department with the approval of relevant Dean in either of the two cases:

6.2.1 If his/her CGPA is above 3.50 OR

6.2.2 The student needs the course to graduate on time depending on his / her academic performance in previous semester

6.3 A student under probation shall not be allowed to take more than 15 credit hours. However, in case where the credit hours of the semester exceed 18, a course of minimum 3 credit hours will be dropped from the student(s) who is/are on probation. Furthermore, no student will be offered a Lab course if a theory of same course is dropped from the student. Fee at prescribed rate will be charged in repeat / summer semester for the course(s) which are dropped from the student(s) due to probation.

6.4 Depending upon his/her academic performance in previous semester, the Head of the Department, with the approval of concerned Dean, may allow a course load of one credit hour above the maximum limit allowed to a student in a semester if by doing so the student can graduate in that very semester.

6.5 Students will only be allowed to take repeat courses in regular semester if they are in Final year of their degree Program or those who are:

6.5.1 Relegated Students

6.5.2 Migrated Students

provided that total number of credit hours in one semester must not exceed 18 credit hours in case of promoted student and 15 credit hours in case of on probation / relegated student, at one time in regular semester. No additional fee will be charged for repeating courses in regular semester except relegated and migrated students.

7 ACADEMIC CALENDAR

7.1 The University will publish an Academic Calendar including schedule of its whole academic year (including fall, spring semesters) which will include the following information:

7.1.1 Semester starting date.

7.1.2 Holidays during the semester.

7.1.3 Semester termination date.

7.1.4 Mid-Term exam week

7.1.5 Final exam week.

7.1.6 Showing answer script to students

7.1.7 Grades announced by Faculty/Department and Official Result notification.

7.2 In case the university is closed due to unusual circumstances, then special makeup classes must be arranged converting weekends or holidays to working days to cover the lapsed period of the students.

8 ENROLLMENT/REGISTRATION / WITHDRAWAL OF COURSES

8.1 A student must register in the semester within 7 days of the commencement of the semester.

8.2 Student, with the consent of the concerned Dean / Head of Department, may be allowed to:

8.2.1 Add/change a course within 2 weeks of the commencement of semester.

8.2.2 Drop a course within 4 weeks of the commencement of semester.

(No Summer / Repeat Fee will be charged for those courses which are dropped by students within 4 weeks of the regular semester. However, this exemption will be for their first attempt of dropped course(s)).

8.3 Students may withdraw from one or more courses upto 6th week of Semester with the approval of the Head of respective department. Approval of the withdrawal shall be notified by the concerned HoD and sent to the Controller of Examinations immediately. In case of withdrawal of the course (s), no fee shall be refunded. Fee at prescribed rate will be charged for repeating the courses withdrawn.

8.4 In case of withdrawal, grade W will be awarded to the student which shall have no impact on the calculation of the CGPA of the student.

8.5 A student can withdraw upto maximum of seven (7) courses at a time throughout his/her degree program.

8.6 Those students who withdraw all courses in a semester at one time shall be liable to repeat the same semester to become eligible for promotion in the next semester.

8.7 A student withdrawing after the 6th week shall be automatically awarded “F” grade which shall count in the GPA and stay on the transcript.

9 ATTENDANCE

9.1 A student must have attended at least 75% of the classes held in a course in order to be allowed to sit in the final examination.

9.2 Student having class attendance less than 75% in a particular course will be required to repeat the course when offered again.

9.3 Absence from classes for a period of three weeks at a stretch during a regular semester and two weeks in summer semester will put the student on Attendance Probation. The instructor may report a student's absences to his/her Dean/HOD and it will be notified to the student by the concerned department.

9.4 Absence from classes for a period of five weeks at a stretch during a regular semester and three weeks in summer semester shall result in automatic cancellation of the registration of a student from all courses in that.

9.5 Only actual attendance from the date of commencement of a semester or date of joining the classes (in case of migrated student or late admission) shall be considered in calculating the shortage of attendance and no concession in the attendance requirements shall be given on the basis of leave applications including leave on medical grounds. The attendance shall be rounded upto two decimal places only.

9.6 There shall be no makeup classes in order to make up the shortage of attendance of any particular student.

10 EXAMINATION

10.1 In each semester, students may be required to appear in quizzes, tests, mid-term, final term examination, presentations (individual/group), group discussion, and submit projects/assignments/lab reports etc. These assessment marks will have different weightage contributing towards the overall assessment in aggregate percent marks. This weightage for aggregate percent marks may be determined on the basis of following guidelines:

Course (Theory)		Course (Lab)	
Nature of Examination	**Weightage**	**Nature of Examination**	**Weightage**
Quizzes / Assignments / Presentations / Projects	25%	Lab work (includes lab assessment, attendance, quizzes and assignments)	30%
Tests/mid semester exam	25%	Mini Project	20%
Final Exam	50%	Lab Exam	50%

The distribution of Sessional Marks (Quizzes / Assignments / Presentations) will be as under:

a) 4 Assignments per subject (3rd, 6th, 10th and 13th week) 10 marks

b) 4 Quizzes per subject (4th, 7th, 11th and 14th week) 10 marks

c) One Presentation per subject (15th or 16th week) 05 marks

10.2 A student will be considered as Pass or Fail in Theory or Lab course, separately.

10.3 If a studentfails to appearin the final examination of a course(s) due to any reason, he/she will be treatedas absent and failed in that course(s).

10.4 There will be no supplementary / special exam in semester system.; if a student fails any course he/she will have to repeat that course or an equivalent course, if the failed course is not offered by the University.

10.5 In case of any litigation pending, involving the student and university in respect of any dispute regarding eligibility to appear in any examination or affecting the student(s)' performance in the examination, the university shall have a right to postpone the result of such examination in respect of the student concerned and would declare such result only upon the final settlement of the dispute if other rules and regulations allow such settlement.

10.6 In case, a student is allowed to attend classes or sit in any examination provisionally / as an interim measure by the order of any judicial or other authority, including a court of law, university shall have the right to postpone the declaration of his / her result pending final determination of the dispute where for the proceedings were initiated and such provisional / interim steps were ordered. In case the determination is to the effect that the student was not eligible to take such examination, the university shall have the further right to cancel the examination(s)/paper(s) provisionally taken under the interim order(s).

10.7 All the result (regular semester and repeat/backlog/deficiency courses) will be officially declared by the Controller of Examinations after seeking approval of the Vice Chancellor. The result of repeat / backlog / deficiency courses will be declared after the declaration of regular semester results. The degree completion date / final result declaration date of that result (either regular or repeat/backlog/deficiency courses) under which the student is becoming eligible for award of final transcript/degree will be mentioned on all official documents including the transcript and degree.

11 GRADING POLICY

Grade Point Average (GPA) system will be adopted for the evaluation of students in all courses. If number of students in a course are 20 or more, then Relative Grading System will be implemented and if the number of students in a course is less than 20, then Absolute Grading System will be implemented. However, for the courses offered under the Faculty of Life Sciences and BS English program, Absolute Grading System will be implemented, irrespective of the number of students in a course.

11.1 RELATIVE GRADING

11.1.1 For relative grading the grades shall be determined as below:

a) Obtaining 35 aggregate marks in a course will be a minimum requirement for passing a course.

b) The Mean and Standard Deviation of the aggregate marks in the course will be used to determine the distribution of grades.

11.1.2 Letter grading shall only be used for representing the individual courses and not for the semester GPA or CGPA. The following grade points for each letter grade will be used:

Grade point	Letter Grade
4.00	A
3.67	A-
3.33	B+
3.00	B
2.67	B-
2.33	C+
2.00	C
1.67	C-(Below Average)
1.33	D+
1.00	D(Minimum Acceptable)
0.00	F(Failure)
--	W(Withdrawn)

11.2 ABSOLUTE GRADING

The aggregate marks of each student registered in the course (including students who did not appear in the final exam) shall be rounded up to two decimals places and grades will be assigned to students on the basis of aggregate marks of each student as per the grading table given below:

Absolute Grading Table

Aggregate %age marks obtained	Grade Point	Letter Grade
84.50 and above	4.00	A
79.50 – 84.49	3.67	A-
74.50 – 79.49	3.33	B+
70.50 – 74.49	3.00	B
67.50 – 70.49	2.67	B-
63.50 – 67.49	2.33	C+
60.50 – 63.49	2.00	C
57.50 – 60.49	1.67	C- (Below Average)
53.50 – 57.49	1.33	D+
49.50 – 53.49	1.00	D (Minimum Acceptable)
Below 49.50	0.00	F (Failure)
--	--	W (Withdrawn)

11.3 There shall be no other grade point values except the above points. The percentage of marks or value of grades other than Grade Points (GP) and Letter Grade (LG) shall not be reported on the transcripts whether they are relative grades or absolute grades.

11.4 Grade point average (GPA) shall be calculated and rounded upto two decimal places. In case of close competition between / amongst students for merit position, the third fraction will be considered.

11.5 Absolute grading system will be used for Final Year Project/Internship/Industrial Training etc. In case the Project/Industrial Training is split into two semesters, separate grades will be assigned to each part based on the work carried out in that semester.

12 COMPUTATION OF SEMESTER GRADE POINT AVERAGE (SGPA) AND CUMULATIVE GRADE POINT AVERAGE (CGPA)

12.1 This is a figure ranging preferably from 0.00 to 4.00 be used to indicate the performance of a student in the semester concerned. A standard scale of 0.00 to 4.00 will be followed.

12.2 Semester Grade Point Average (SGPA) and Cumulative Grade Point Averages (CGPAs) will be calculated using the following relationships:

$$\text{SGPA} = \frac{\text{Sum over all courses in a Semester (Course Credit Hours x Grade Point Earned)}}{\text{Total Semester Credit Hours Earned}}$$

$$\text{CGPA} = \frac{\text{Sum over all taken courses in all Semesters (Course Credit Hours x Grade Point Earned)}}{\text{Total Credit Hours Earned in all Semester}}$$

13. PROBATION/ RELEGATION

13.1 Probation is a status granted to the student whose academic performance falls below the following minimum standard:

a) Students acquiring less than 2.00/4.00 CGPA in a semester will be put on probation for the next semester.

b) Students who remain on probation for a full academic year (Fall semester and Spring semester of the same academic year) and are unable to come out of probation even after the summer semester or 5 “F” grades in theory courses at any particular time during course of studies will be relegated. They will be considered external students till they improve their CGPA and come out of two consecutive probations / relegation. However, the condition of relegation will be relaxed for those students who are in a position where there will be no following batch with whom they should join after the improvement of their CGPA / becoming eligible for the next semester.

13.2 After improving the CGPA and becoming eligible for next semester, s/he will be allowed re-admission as a regular student.

13.3 Relegation (two consecutive probations) or 5 “F” grades in theory courses at any particular time during course of studies will be only allowed twice during the 4 / 5 years' degree program.

13.4 No consecutive probations will be allowed in the first four semesters.

13.5 A student who is on probation 2nd time even after attending summer semester in first four semesters shall be removed from rolls of university / DAI. However, s/he can take re-admission only once during 4 / 5 years BS degree program.

13.6 The student(s) will be allowed to complete studies within the stated periods as prescribed by the relevant accreditation body/HEC.

13.7 However, the programs where the maximum duration is not prescribed by the relevant accreditation body, the student(s) will be allowed to complete his/her studies within 7 years for 4 years' degree programs and within 8 years for 5 years degree programs. The above duration will be inclusive of the period of relegation/freezing.

14 REPEATING COURSES / IMPROVEMENT OF CGPA

14.1 If a student gets 'F' grade, s/he will be required to repeat the same course or its recommended alternate, if any. However, “F” grade obtained earlier will also be recorded on the transcript. Recommended alternate course offered in lieu of failed course must be intimated to Controller of Examinations immediately, after seeking approval of concerned Dean.

14.2 Students may be allowed to repeat a course in which s/he has obtained grade below “C”. In such a case both the previous and new grade obtained will be recorded on the transcript, however, only the higher grade shall be considered in the calculation of CGPA and SGPA.

14.3 A maximum of 6 courses, except failed courses, will be allowed to repeat in a degree program.

14.4 In case of CGPA improvement, it would be recorded with (Imp) on the transcript.

14.5 Improvement of grade(s) shall only be allowed within one year of completion of degree requirements, provided it is before the issuance of the final transcript and within the maximum duration of the relevant program.

15. FINAL YEAR PROJECT ASSESSMENT

15.1 The procedure for the evaluation of Final Year Projects shall be as under:

a)Panel of Examiners

A panel of Examiners consisting of the following members will constituted by the Head of Department in 7th semester for project(s) evaluation:

i) Head of Department or his nominee

ii) Project Supervisor

iii) FYP Coordinator of the Department

iv) Two Faculty Members nominated by the Head of the Department

16. CGPA REQUIRED FOR THE COMPLETION OF AN UNDERGRADUATE DEGREE

16.1 For completion of an undergraduate degree, the minimum qualifying CGPA will be 2.00.

17. ELIGIBILITY OF CANDIDATES FOR AWARD OF DISTINCTION

Candidates securing CGPA ≥ 3.67 shall be declared to have passed the Degree Course with Distinction; provided that Distinction shall be awarded to such candidates only who have passed all the Examinations in first attempt, within four Academic years from the date of joining the First year class.

18. ELIGIBILITY OF CANDIDATES FOR AWARD OF DISTINCTION IN CASE OF MIGRATION FROM OTHER UNIVERSITIES:

a) Students having been admitted on migration basis from other universities shall be required to pass the deficient subjects, if any, due to difference in the course of studies of the universities, in first attempt within the immediately following two examinations.

b) Migrated students should have no lag semesters during his studies from the date of admission at parent institution and CECOS University.

c) Students otherwise eligible for the award of Distinction shall not be deprived of the same on account of Regulation 18(a); provided the candidates have passed the previous examination(s) in first attempt and also passed the remaining examination(s) in first attempt, and have passed the deficient subjects in one attempt as a whole.

19. ELIGIBILITY OF CANDIDATES FOR GOLD MEDAL

The Gold Medal shall be awarded to a graduate in each batch of all the disciplines who fulfills the following conditions:

19.1 Passed all the University Examinations in first attempt and completed all the requirements for award of degree within consecutive semesters after joining the first semester and within the minimum duration of the program.

19.2 Obtained first position amongst all the passed students.

19.3 Secured CGPA > 3.67.

19.4 For determination of positions, CGPA shall be calculated and rounded up to two decimal places. In case of tie between/amongst students, the third decimal place will be considered. If the tie still exists even after considering the third decimal place in CGPA, the actual marks obtained by the students in the subjects shall be considered.

19.5 Completed Research Project/Internship within minimum duration of the program.

19.6 Any graduate who has been penalized by the University Discipline Committee/UFM Committee/Appellate Committee shall not be eligible for the award of Gold Medal.

19.7 One Gold Medal will be awarded to all the batches of the same course commenced within six months' duration.

19.8 There should be minimum five regular/active students in the last/final semester examination of the class for the award of Gold Medal to a student, if otherwise eligible.

19.9 Gold Medal will be awarded on the occasion of convocation only.

PART-II (APPLICABLE TO BACHELOR OF ARCHITECTURE PROGRAM ONLY)

20. SCHEME OF STUDIES

20.1 Course work for earning the degree in Architecture comprises of theory courses, studio courses and thesis design.

20.2 Each course offered at the University is allocated certain credit hours, describing the weekly amount of work required for that course. For theory courses, each credit hour means one hour of lecture per week, and for studio courses, each credit hour means two hours of practical studio work.

20.3 As a pre-requisite of the B. Architecture degree, each student shall carry out a thesis design in the final year of their studies, comprising of a written report and a complete Design project of appropriate level. Thesis Design will be offered in each semester of the final year and will be evaluated separately in each semester by the panel of jurors approved by the University authority who has been assigned such responsibilities/ powers.

21. DEGREE REQUIREMENTS

To earn a B. Architecture degree, a student must:

a) Pass all the courses of study prescribed in the relevant Scheme of Studies.

b) Obtain a minimum of 2.00 CGPA.

c) Students must complete six weeks of internship during 3rd and 4th years with reputable architectural firms. The internship must be monitored and verified by the Department of Architecture and students shall submit the internship certificates as issued by the relevant architectural firm to the Department.

22. EXAMINATION

22.1 Each subject in the B. Architecture course has an overall weightage of 100% marks. A student shall be evaluated in each course on the basis of assignments, presentations, mid semester and final examination. 25% marks will be allocated for sessional work (including tests, assignments, presentation and class participation), 25% marks will be specified for the mid-semester examination (to be conducted at the culmination of eighth week of each semester) and 50% marks for the final examination of the semester.

22.2 The subjects of Basic Design, Architectural Design and Thesis Design are considered to be the Core Subjects of the relevant semesters and shall form a stream and each preceding course shall be a pre- requisite for next course in line.

22.3 Marks distribution in Core subjects will be 40:60 for Sessional and Final examination. Further break up of sessional marks will, however, be on the approval of the Head of Department.

22.4 There shall be 60:40 of marks for external and internal examiner for Final Exam Project/Jury of core subjects i.e. Architecture Design.

22.5 Thesis Projects shall be evaluated by a panel of external examiners for 60% marks whereas, 40% marks shall be awarded to the student by his/her internal supervisor during the course of his/her semester in the form of sessional assessment and keeping track of progress made on the thesis project. Those students who acquire minimum aggregate of 50% marks with minimum 50% marks from the external examiners in the final thesis juries shall be declared successful, whereas unsuccessful students shall be given a second chance to reappear in the next semester to present their thesis.

PART-III RULES & REGULATIONS FOR GRADUATE (MS) PROGRAMS

(Also applicable to PhD DegreePrograms wherever mentioned explicitly)

23. PROGRAM LAY OUT

Masters of Science (MS) degree program shall spread normally over a period of 1.5 years (3 semesters) for MBA degree program and 2 years (4 semesters) for all other Master's degree programs. Further extensionmay be considered up to maximum of 2 years in exceptional circumstances as per University defined procedure. However, the student has to meet minimum residency requirement of 1.5 years (for MBA Program)and 2 years (for M.Sc/MS/M.Tech Programs) during the course of his/her studies at CECOS University. Each semester will be comprised of sixteen weeks of teaching.

In order to complete Master'sdegree requirements, the University allowstwo options including Plan A (Thesisbased) and Plan B (Non-Thesis based) Scheme of studies. Plan-A is comprised of 24 credit-hours coursework and 06 credit-hours of research whilePlan-B is based on completing 30 credit-hours of coursework.

24. REGISTRATION / WITHDRAWAL / CHANGE OF COURSE (S)

(Also, applicable to PhD students)

24.1 A student must register for all coursesto be taken by him/herin a semester within due time before starting of classes.

24.2 A list of courses to be offeredin each semestershall be displayed on the Graduate Studies notice board one week before the registration to facilitate studentsin choosing courses.

24.3 A student can take coursesoffered by teachingdepartment other than his/her own department if so advised by the Graduate Studies Coordinator; however, prior permission of the office of Graduate Studies is necessary. The student(s) shall be entitled for the credit of such courses.

24.4 Minimum students to register for a courseshall be five, otherwise the course shall be dropped for that semester.In case the department drops a course,the amount of fee paid shall be refunded to the studentsor adjusted in the coming semester.

24.5 student, with the consent of the Office of Graduate Studies may be allowed to Add/Change or Drop a coursewithin two weeks of the commencement of semester.

24.6 Students may withdrawfrom one or more courseswith the approvalof the Officeof Graduate Studies beforethe 6th weekof semester. Approval of the withdrawal shall be sent to the Controller of Examinations immediately. No fee will be refundednor adjusted for the withdrawn cases.

24.7 Withdrawal of a course will appear on the transcript with letter grade'W'. However, a student may take anothersubject in place of coursewithdrawn.

24.8 In case a studentfails to applyfor withdrawal from a courseand remains absent,he will be awarded "F" grade.

25. TRANSFER OF CREDIT (Also, applicable to PhD students)

25.1 A student fromanother University seekingadmission in Master's program at CECOS University can transfer up to a maximum of 6 credithours provided that:

25.1.1 The student has passed these two courses from other HEI with at least B grade within last two years' period fromthe date of admission at CECOS University.
25.1.2 The subject specialist certifies that the courses completedare equivalent to approved courses of the University.
25.1.3 Credit transfer shallbe allowed for taught coursesonly and not for research.
25.1.4 The transferred credit hours shall not be counted for calculating CGPA.

26 REPEATING COURSES (Also applicable to Ph.D students)

26.1 A student who fails in any subjectwill have to repeat the same subjectwhenever it is offered. In case a subject is repeated, the new gradewill be used in computing the CGPA replacing the F grade.
26.2 A student who secure 'C' or below grade, other than F grade in subject(s), he/she may be given onechance to improvethe grade by repeating the same subjectwithin the prescribed time and in case of non-improvement, the old grade will stand. Maximum of two subjects can be allowed for improvement.
26.3 A student can be allowedto replace a maximum of two subjects, if he/she is in the final semester or has completed his/her course work.
26.3.1 A student canreplace failed subject(s) as well as the subject(s) in which he /she secures "C" or belowgrade and the subject(s) which he/she wants to replace is not offered in that semester.
26.3.2 Those students who have attained CGPA of 2.5 or greater and less than 3.0 from eight studiedsubjects and want to pursue PhD degree can be allowed to replace maximum of two subject(s) in which he/shegot above "C" grade subjectto the condition that he/she has not replacedthe subject(s) under clause 26.3.1.(Not applicable to PhD students)
26.3.3 If any failed subject is replaced, the new gradewill be used in computing the CGPA replacing the F grade. If any subject is replaced for improvement of grade, the improved grade will be used for computing CGPA and in case of non-improvement, the old grade will be used in computing the CGPA.
26.3.4 In case of replacement, both the subjectsincluding previously taken subject(s) and replaced subject(s) will be mentioned on the Academic transcript.
26.4 **A non-core subject will be allowedto be replaced with both core and non-core subjects, whereas, the core subject must be replaced with core subject only. However, core course(s) may be allowed to be replaced with a non-core /elective course(s) providedminimum core coursesrequirement has been fulfilled. (Not applicable to PhD students)**
26.5 The improvement/replacement of subject(s) shall only be allowed within one year of completion of degree requirements, provided it is before the issuance of the final transcript and within the maximum duration of the relevant program. (Not applicable to PhD students)

27. ATTENDANCE (Also, applicable to PhD students)

27.1 A student must have attendedat least 75% of the classes held in a course in order to be eligible to appear in the final term examination.
27.2 Student having class attendance less than 75% in a particular course will not be allowed to appearin the exam and willbe required to repeat the course as and when offered again.
27.3 If a student changes a course or takes additional course at a later stage,clause 27.1 and 27.2 will also apply.
27.4 If a student gets late admission, he/shewill need to complete 75% attendance based on the total lectures delivered in each courseafter his/her admission.
27.5 Willful absence from all classes for a period of five weeks at a stretchduring a regular semester shall result in automatic cancellation of the registration of a student from all courses in that semester.

28. WORK LOAD

28.1 A student can take up to 12 credit hours (maximum 3 subjects) course work per semester. (Also, applicable to PhD students)
28.2 In order to complete Master's degree program in 4 semesters, it will be essential requirement on the part of all the students to take three courses in 1st and 2nd semesters,and two coursesin 3rd semesteralong with research to complete his/her degree by the end of 4th semesterfor Plan A and pursuing2 additional coursesfor Plan B.

29. EXAMINATION (Also, applicable to PhD students)

29.1 A student will be eligibleto appear in the examination provided he/she has been on the rolls of the university during that semester, has cleared all the dues and fees of the university and has met the attendance criteria for appearing in the examination.
29.2 For each course in a semester, a student is required to appear in quizzes, Midterm examination, Final termexamination, presentations, participate in group discussions and submit project/assignments to the concerned instructor by due dates. The percentage distribution of marks for each courseare as follows:

Course (Theory)		Course (Lab)	
Nature of Examination	**Weightage**	**Nature of Examination**	**Weightage**
Quizzes / Assignments / Presentations / Projects	25%	Lab work (includes lab assessment, attendance, quizzes and assignments)	30%
Mid Term Exam	25%	Mini Project	20%
Final Term Exam	50%	Lab Exam	50%

29.3 In case a student joins a course after it has already started, he/she will be responsiblefor any missed quizzes, assignments and lectures. The marks in missed quizzes, tests, assignments and labs etc.will be considered as zero (if not completed by due dates).

29.4 If a studentfails to appearin the final examination of a course(s) due to any reason, he/she will be treated as absent and failed in that course(s).

29.5 There will be no supplementary/special exam; if a student fails any course he/she will have to repeat that course after paying the requisite fee.

29.6 In case of any litigation pending,involving the studentand university in respect of any dispute regarding eligibility to appear in any examination or affecting the student's performance in the examination, the university shall have the right to postpone the declaration of result of such examination in respect of the student concerned and would declaresuch result only upon the final settlement of the dispute if other rules and regulations allow such settlement.

29.7 In case, a student is allowed to attend classesor sit in any examination provisionally as an interim measure by the orderof any judicial or other authority including court of law, the University shall have the right to postpone the declaration of his/her result till final settlement of the dispute where for the proceedings were initiated and such provisional/interim steps were ordered. In case the court ruling is to the effect that the student is not eligibleto take such examination, the University shall have the right to cancelthe examination(s)/paper(s) provisionally taken under the interim order(s).

30. POLICY FOR MS THESIS RESEARCH

30.1 The students of MS Programs shall be allowed to enter into research phase from third semester afterpassing 6 courseswith minimum of 3.00 CGPA in 6 passed courses. However, he/shecan start workingon draft researchproposal before the completion of 6 courses.

30.2 The Plan A students must utilize summersemester in additionto regular semesters for preparing Thesis proposal.

30.3 By virtue of maintaining status of active student of Plan A, the student shall be required to get his/her researchproposal approved throughdue process in order to complete his/her thesis by the end of fourth semester to adhere the condition of completing Master's degree within two years.

30.4 Appointment ofSupervisor

(a) A Supervisor (PhD or MS) shall be appointed from within the University to supervise the research work of the student.

(b) A Co-supervisor may be appointed wherever required.

(c) The Co-supervisor will assist in the MS research thesissupervision process and he/she will maintain coordination with the main supervisor.

30.5 Departmental Graduate Studies Committee (DGSC)

30.5.1 Each department shall have Departmental Graduate Studies Committee (DGSC) which shall be comprised of following members:

a)Head of Department
b)Graduate Studies Coordinator
c)One PhD faculty member from the Department
d)One PhD facultymember from other Departments of CECOS University.
e)MS Research Thesis Supervisor
f)External Member (optional)

30.5.2 Member (iii) &Member (iv) shallbe appointed by the Dean,Graduate Studies in consultationwith the HoD / Graduate Studies Coordinator of the relevantDepartment.

30.5.3 First a research proposal shall be prepared by MS student in consultation with his/her supervisor in a prescribed format/template which can be obtainedfrom the office of Graduate Studies.

30.5.4 The proposal shall be initially examined and vetted by the Supervisor and shall be forwarded to the Committee Members for their comments and recommendations.
30.5.5 The Committee after its recommendation shall forward the proposal to the Office of GraduateStudies for approval.An official notification will be issuedto the supervisor for supervision of the MS Thesis and the studentmay be asked to continue his/her work on the approved research topic.
30.5.6 The Research proposal and thesis shall be placed before the BoAS&R for concurrence whenever itmeets.
30.6 Thesis Defence Examination Committee
30.6.1 The Thesis Defence Examination Committee will comprise of the following members:
a)Supervisor (PhD)
b) Internal Examiner (PhD or MS in the relevant field, from CECOS University)
c) External Examiner (PhD in the relevant field from outsidethe University)
30.6.2 Supervisor will recommend three names eachfor Internal Examinerand External Examiner in the relevant fieldto the office of GraduateStudies through HoD for final selection of one Internal Examiner and one External Examiner from the recommended list.
30.6.3 The Examination Committee will be appointed by the Vice Chancellor on the recommendation of the Office of Graduate Studies. The supervisor shall act as the Convener of the Examination Committee. The examination shall include Evaluation of thesis and Viva-Voce Examination.
30.6.4 If thesis is judged as adequate, the candidate shall appear in Viva-Voce Examination to be conducted by the Examination Committee on a specific date. The Thesis Supervisor through Graduate Studies Coordinator must inform the Office of Graduate Studiesabout thesis defenseexamination result on the official form.
30.6.5 If thesisis found inadequate, it may be referred back to studentfor revision and re-submission within the given specified period. Only one chance of re- submission shall be allowed to the candidateand if the revised thesis is not approved under the aforementioned procedure, the thesis shallbe rejected.
30.6.6 If in the opinion of the majority of the examiners,the candidate fails in oral examination,he/she may be permitted to reappear in the viva-voce examination within one month.Only one chance shall be given to a candidate to reappear in the oral examination after which he/she shall repeat/improve the thesiswork again by registering for thesis work on paymentof the prescribed fee and reappear for examination of thesis work within a period of four months.

31 GRADES (Also applicable to PhD student)
31.1 There shall be no other grade points and letter grades except the grade points and letter grade mentioned in below mentioned grading tables. Only letter grades and grade points will be mentionedon the Academic Transcript. The percentage of marks shall not be reportedon the Academic Transcript against each subject.
31.2 Relative grading system shall be followed in case the numberof students appearedin the final term examination of a subject are 20 or more, otherwiseabsolute grading system will be followed. For PhD program Absolute Grading System will be followed.
31.3 The University following grading tables will be used for Absolute Grading and Relative grading:

Relative Grading Table

Grade point	Letter Grade
4.00	A
3.67	A-
3.33	B+
3.00	B
2.67	B-
2.33	C+
2.00	C
1.67	C- (Below Average)
1.33	D+
1.00	D (Minimum Acceptable)
0.00	F (Failure)
--	W (Withdrawn)

Absolute Grading Table

Aggregate %age marks obtained	Grade Point	Letter Grade
84.50 and above	4.00	A
79.50 – 84.49	3.67	A-
74.50 – 79.49	3.33	B+
70.50 – 74.49	3.00	B
67.50 – 70.49	2.67	B-
63.50 – 67.49	2.33	C+
60.50 – 63.49	2.00	C
57.50 – 60.49	1.67	C- (Below Average)
53.50 – 57.49	1.33	D+
49.50 – 53.49	1.00	D (Minimum Acceptable)
Below 49.50	0.00	F (Failure)
--	--	W (Withdrawn)

31.4 Grade point average (GPA) shall be calculated and rounded up to two decimal places. In case of close competition between/amongst students for merit position, the third fraction will be calculated

31.5 Semester grade pointaverage (SGPA) andcumulative grade pointaverage (CGPA) will be calculated as follows:

$$\text{SGPA} = \frac{\text{Sum of coursesin a semester (course credithours x grade point earned)}}{\text{Total earned credit hours of semester}}$$

$$\text{CGPA} = \frac{\text{Sum of all the courses taken in all semesters (course credit hours x grade points earned)}}{\text{Total credithours earned in all semester}}$$

31.6 The minimum CGPA required for the award of MasterDegree will be 2.50 in course work and satisfactory grade (S) in research. Grade Points are assigned as shown in the above Table. In case of failure to get the required CGPA or Satisfactory grade (S) in researchfor the award of MasterDegree, he/she shall be awardedonly a Post GraduateDiploma, provided he has passedall the courses.

32 DEGREE REQUIREMENTS

32.1 A total of 30 credithours are requiredto complete the Master DegreeProgram in any discipline except the program(s) where the HEC approved curriculum or the relevant accreditation body requires more than 30 credit hours for completion of degree. Both Plan A (Research Based Program) and Plan B (Course Based Program) shall be offered, if allowed by the HEC / relevant accreditation body. Under Plan A, candidates will be required to complete 6 credit hours research, whereas,under Plan B, the candidates will be requiredto complete the required credit hours by course work. For Master of Technology (M.Tech)course, the candidates will be required to complete 6 credit hours Industrial Training/Internship. In Master of Architecture Program, the candidates will be required to complete 7 credit hours for Thesis(Dissertation).

32.2 A student can take up to 2 courses offeredby a teaching department, other than his/her own department, if so advised by the HoD/Graduate Studies Coordinator; however, prior permission of the Office of GraduateStudies is necessary. The student(s) shall be entitled for the credit of such courses.

32.3 On the completion of research in Plan A, the student shall submit three hard copies (typed copies)of the final script of thesis to the Officeof Graduate Studies. One such copy shall be kept in the library.

32.4 Minimum duration shall be 2 years for completion of MS or equivalent degree programs and 1.5 years for MBA Degree Program.

32.5 Further extension in the completion of MS degreeprograms shall be considered in exceptional circumstances under University defined procedure.

32.6 For Plan A students, submission of one researchpaper from MS Thesis duly endorsed by the Departmental GraduateStudies Committee and acknowledgment from editor of publishing organization (Journal / Conference / etc.) regarding receipt/processing of researchpaper will be compulsory for the awardof MS degree. The research paper must bear the name of studentas MS student of CECOS University as Principal author.

32.7 The University shall award the degree of Master of Science to a studentwho has completed the followingrequirements.

33 ASSISTANTSHIPS

Subject to the availability of funds in the budget, limited number of teaching and tuition fee concession as well as Teaching and Research Assistantships may be granted to Graduate students who are willingto perform academicduties during workinghours of the University.

33.1 Teaching Assistantship @ Rs. 5000/- per month for teachingto undergraduate students and no tuition fee shall be charged during the period of Teaching Assistantship.

33.2 Research Assistantship @ Rs.5000/- per month for assignment on project work and no tuitionfee shall be charged during the period of ResearchAssistantship.

33.3 Other fellowships/financial assistance may be announced from time to time as and when decided.

34 ELIGIBILITY OF CANDIDATES FOR AWARD OFDISTINCTION

34.1 Passed all theUniversity Examinations in first attemptand completed the course work within threeregular semesters for Plan A and withinfour regular semesters for Plan B after joining the first semester.

34.2 Secured CGPA > 3.67.

34.3 Any graduate who has been penalized by University Discipline Committee/UFM Committee/Appellate Committee shall not be eligiblefor the awardof Distinction.

34.4 Those students who have transferred course(s) under clause34.1, they will also be eligible for the award of Distinction provided the studentshave passed the two transferredcourses in first attempt and fulfill all the requirements as mentioned in 34.1 thru 34.3.

35 ELIGIBILITY OF CANDIDATES FOR GOLD MEDAL

The gold medal shall be awarded to a graduatein each batch of all the disciplines who fulfills the following conditions:

35.1 Passed all theUniversity Examinations in first attemptand completed the course work within threeregular semesters for Plan A and withinfour regular semesters for Plan B after joining the first semester.

35.2 Obtained first position amongst all the passed students.

35.3 Secured CGPA > 3.67.

35.4 For determination of positions, CGPA shall be calculated and rounded up to two decimal places. In case of tie between/amongst students, the third decimal place will be considered. If the tie still exists even after considering the third decimal place in CGPA, the actual marks obtained by the students in eight subjects for research based degree (where thesis are not evaluated in percentage marks) and ten subject for course based degree shall be considered.

35.5 Defended Thesis/Internship/Research Project within six months after completion of course work (applicable to Plan A) under clause 35.1.

35.6 Any graduate who has been penalized by the University Discipline Committee/UFM Committee/Appellate Committeeshall not be eligible for the award of GoldMedal.

35.7 One Gold Medal will be awarded to all the batches of the same course commenced within six months duration.

35.8 There should be minimum fiveregular/active students in the last/final semester examination of the class for the award of gold medal to a student,if otherwise eligible.

35.9 Gold Medal will not be awarded for PhD Program.

35.10 Gold Medal will be awardedon the occasion of convocation only

PART-IV RULES & REGULATIONS PHD PROGRAMS

36. PROGRAM LAYOUT

The PhD degree program is offered on full time basis which shall spread normally over a period of four years with a maximum of eight years under exceptional circumstances. The student has to meet minimum residency requirement of 3 years during the course of his/her studies at CECOS University. The PhD Degree Program offered in various disciplines will comprise of a total of 54 credit hours, which includes 18 credit hours of course work and 36 credit hours of research. In addition, the students shall also need to pass any deficiency courses, if the admission committee deems it necessary for a particular student. All research work will be carried out at CECOS University; however, students may pursue course or research work outside the University on the recommendations of the supervisor which will be approved by the Vice Chancellor through Dean, Graduate Studies.

The required coursework as stipulated by admission committee, comprehensive exam, and defense of synopsis/research proposals should be completed within the first six semesters of the registration into a PhD program. In case of noncompliance, the registration shall be cancelled and transcript for completion of coursework may be issued to the student.

37. PHD COURSEWORK

After being admitted in the PhD program, the student on the advice of PhD supervisor must complete minimum 18 Credit hour Course work securing minimum 3.00 CGPA in overall subjects with minimum “C” grade in each course. During the course of doctoral studies at CECOS University, the student has to register for each semester on a prescribed form which should include all the details related to courses and research. The student has to pay the prescribed registration fee for each semester, whether or not any courses are studied in that semester, to become a bonafide doctoral student in addition to the fee prescribed by the university for arrangement of processes related to research progress and dissertation evaluation etc.

38. QUALIFYING EXAMINATION

38.1 Following the completion of coursework, every PhD student will be required to pass the comprehensive examination to be granted candidacy as a PhD candidate.

38.2 Only one chance will be given to reappear in PhD Comprehensive Examination and if a student fails to pass the PhD comprehensive Examination for the 2nd time, his/her admission will be cancelled.

38.3 The comprehensive exam will be based on recapitulation of the conceptual knowledge of discipline to which the student is admitted.

38.4 The comprehensive exam will cover the courses studied, preferably at the graduate level, and will be conducted on one composite question paper.

38.5 The evaluation of comprehensive exam will be on an aggregate basis, expressed in terms of pass/fail and shall not be graded.

38.6 The respective HoD shall nominate Comprehensive Examination Committee comprising of three internal PhD faculty members and seek its approval from the Vice Chancellor through the Dean, Graduate Studies.

38.7 The committee shall preferably include the supervisor of the student and teachers with whom the student has studied his PhD courses.

38.8 The committee shall conduct both the written and oral comprehensive examinations of the student

38.9 After conducting both the written and oral part of the examination, the committee shall submit its result in terms of PASSED or FAILED to the OGS through respective HoD and the same will be sent to Controller of Examinations for record.

39. RESEARCH SUPERVISORY COMMITTEE (RSC)

39.1 Composition

Soon after passing the qualifying examination, the PhD Supervisor will constitute the Research Supervisory Committee (RSC) which will be approved by the Vice Chancellor through Dean, Graduate Studies. The Research Supervisory Committee will comprise of the following members:

a.PhD Supervisor/Convener of RSC: PhD faculty member from relevant department of CECOS University.

b.Subject Expert 1: PhD in the relevant field- from within CECOS University or outside CECOS University.

c.Subject Expert 2: PhD in the relevant field- from outside CECOS University

d.Subject Expert 3: MS/ PhD (Preferable) from research organization/industry.

39.2 Role of Research Supervisory Committee (RSC)

The Research Supervisory Committee (RSC) will supervise the progress of PhD candidate throughout his/her PhD research and shall meet at least once per semester. It will also act as examination committee in PhD Viva-Voce Examination.

40 PHD RESEARCH PROPOSAL DEFENCE EXAMINATION

Based on extensive literature survey, the PhD candidate shall prepare a detailed research proposal and will defend it in front of Research Supervisory Committee within six months of passing PhD comprehensive examination. It will be an oral examination. In case of failure, only one chance will be given within next six months.

41 DOCTORAL RESEARCH MONITORING

Upon entering in PhD research phase, the research scholar has to prepare a road map in consultation with his/her Supervisor for undertaking research and specify time line for achieving various research targets. In addition to presenting his progress in front of RSC, the candidate shall submit biannual progress reports to the DGSC. The DGSC upon unsatisfactory progress shall evaluate the reasons, suggest remedial measures and/or may impose fine upon the student that shall not exceed the registration fee of a semester. During PhD Program, the students will be required to attend seminars, conferences, symposia and publish papers in HEC approved Journals. It will also be compulsory that the students shall attend the in-house Seminars and Symposia arranged by the University from time to time.

42 EXTERNAL EVALUATION OF PHD DISSERTATION

42.1 After completion of research work and its satisfactory report issued by RSC, the draft thesis shall be checked and cleared for plagiarism as prescribed by Higher Education Commission (HEC).

42.2 Upon completion of PhD Thesis writing, the External Thesis Evaluators will be approved by the Vice Chancellor chosen from the list submitted by the Supervisor through Dean Graduate Studies.

42.3 After approval of the thesis draft by the RSC for external evaluation and after clearing plagiarism check, the same draft shall be submitted to external evaluators by the OGS.

42.4 Satisfactory incorporation of external evaluators' suggestion in the thesis shall also be vetted by the RSC.

42.5 The PhD dissertation shall be evaluated by

a.At least two external experts who shall be:

i.PhD faculty member from the world top 500 universities ranked by the Times Higher Education or QS World Ranking in the year corresponding to dissertation evaluation year

OR

ii. Pakistan-based Distinguished National Professors, Meritorious Professors from any national university; or professors from top universities ranked by HEC; or professors from any Pakistani University having a minimum H-Index 30 for Sciences, 15 for Social Sciences or 8 for Art & Humanities as determined by Web of Science.

OR

b.At least one external expert qualifying any one of the conditions mentioned at 'a' above if the PhD candidate publishes dissertation research in a peer-reviewed journal that is classified by the HEC in category W for Sciences and X or above for Social Sciences.

43 RESEARCH PUBLICATION

For award of PhD degree, a PhD candidate will have to publish research articles meeting the following criteria:

43.1 The article shall be published in a relevant research journal.

43.2 At least:

a.One research article in W category journal or two research articles in X category journals, for science disciplines

b.One research article in X category journal or two research articles in Y category journals, for social science disciplines

43.3 A research article appearing online with valid DOI on website of an HEC's recognized research journal shall be considered published w.e.f. the date it appeared online with DOI.

43.4 The PhD candidate shall be the first author of these publications.

43.5 The research article shall be relevant to the PhD research work of the PhD candidate.

43.6 The article shall be published after approval of the research synopsis and before PhD dissertation public defense examination.

43.7 Category of the publication shall be based on its categorization in HJRS at the time of acceptance of the research article.

44 PLAGIARISM

44.1 Under no circumstances shall a dissertation based on plagiarized research be acceptable. It is the primary responsibility of both PhD researchers and their supervisors to prevent plagiarism.

44.2 For Plagiarism COPE guidelines must be followed.

44.3 If a PhD dissertation is found to be plagiarized, it will be handled in accordance with the Anti-Plagiarism Policy of the university/issued by the Higher Education Commission, Pakistan, as updated from time to time.

44.4 A similarity test, in accordance with the University/HEC's Anti-Plagiarism Policy, must be conducted on the dissertation before its submission to the external experts by the student.

45 PHD DISSERTATION DEFENCE EXAMINATION

There will be announcement for PhD dissertation public defence examination after the satisfactory report from external evaluators along with each member of Research Supervisory Committee on the prescribed form. The Research Supervisory Committee will finally conduct the viva-voce examination and submit its final report to the Dean, Graduate Studies who will notify the decision accordingly.

45 PHD DEGREE AWARDING REQUIREMENTS

In order to become eligible for the award of PhD degree, the student has to have passed the following:

a.6 courses with minimum 3.00 CGPA and not less than C grade in any subject.

b.Any other courses made compulsory by Admission Committee

c.PhD Comprehensive Exam

d.External Thesis Evaluation

e.PhD Dissertation Public Defense and Viva-Voce Examination

f.Publication of research Paper(s) as mentioned above in clause "43 - Research Publication"

47 RESEARCH/TEACHING ASSISTANTSHIP

A PhD student/candidate facing financial hardship may be offered a job as Research/Teaching assistant with reasonable monthly remuneration, subject to availability of relevant vacancy as per the university policy.

48 LEAVE OF ABSENCE

The student/candidate can avail leave in PhD studies with prior approval and subject to the condition that the he/she should not extend his/her PhD studies beyond maximum permissible duration. He/she will have to apply for freezing the semester after paying the prescribed fee per semester. The maximum duration for completion of PhD degree will include the period of absence and no relaxation/time extension shall be given on the basis of leave of absence. No leave of absence shall be allowed for of the first semester.

49 SPLIT PHD DEGREE PROGRAM

The student can be admitted in Split PhD Program and rules for this purpose will be followed based on the collaboration with the relevant university abroad and/or following HEC criteria.

PART-V RULES & REGULATIONS APPLICABLE TO ALL PROGRAMS (UNDERGRADUATE, MS & PHD)

50. MEDIUM OF INSTRUCTIONS

50.1 The medium of instruction and examination shall be English except Islamiyat and Pakistan Studies where option of Urdu will also be available. Foreign studentswill be required to satisfythe department about their proficiency in the use of English Language before registration.

50.2 Courses of studies are subject to changes and modifications by the relevant bodies of the University in the light of the guidelines of Higher Education Commission and relevant accreditation bodies.

51. FREEZING OF SEMESTER

51.1 If a student freezes a semester(s), s/he will resume his/her studies from the same stage where s/he left (froze). No freezing during the semester will be allowed. The maximum duration of the degree program shall remain the same.

51.2 If a student is not enrolled in any course in a semester, s/he will not be considered a regular student of university in that period. The student may then enroll in these courses in a subsequent semester; however, s/he will have to meet pre-requisites of any course taken. In addition, it is understood that the university is not required to offer all courses in each semester.

51.3 In special hardship cases, a student can be allowed to freeze his/her semester upto 4th week with the prior permission of the Vice Chancellor.

51.4 Freezing of first two semesters is not allowed.

51.5 Under special hardship circumstances freezing of second semester can be considered by the competent authority on the recommendations of a special committee:

a) Iddat

b) Maternity/Delivery

c) Death in the immediate family

d) Any other reason subject to acceptance on justified rationale

Freezing of semester will only be allowed after successful completion of 1st semester as prerequisite as the case may be for other semester's predecessor to the freezing Semester.

51.6 The duration of freezing is one year; a candidate who gets a semester freeze can get readmission next year with upcoming session but hardship cases can be considered by the competent authority only. The maximum duration for completion of degree will includethe period of freezing and no relaxation/time extension shall be given on the basis of freezing period.

51.7 All the applications for freezing of the semestermust be submitted to the Concerned Head of Department/Office of Graduate Studies through Head of Department before the commencement of the semester, otherwise the application shallnot be entertained. The concerned HoD/Dean will notify the freezing of semester with a copy of the same to the Controller of Examinations and other concerned offices. The postgraduate student has to pay the prescribed semester registration fee to maintain activestatus during freezingperiod.

52. STUDENT GRIEVANCES

A Students Grievance Committee (SCG) will be constituted for addressing the grieves of students.

The Students Grievance Committee (SGC) will be authorized to consider and hear or otherwise dispose of students' (Undergraduate and Post Graduate) grievances related to academic matters, non-academic matters, assessment, victimization, discipline committee decision, harassment, the conduct of examinations and any other grievances which may be determined by the competent authority and that they have not been resolved at the departmental/ faculty levels.

53. CANCELLATION OF ENROLMENT

If a student fails to attend two consecutive semesters, his/her admission shall stand cancelled automatically without any notice.The parent / guardian of the student will be informedabout the cancellation of the admission of their son/ward through registered post/courier service/email/WhatsApp. No fee shall be refunded in such case.

54. COURSE FILE

Maintaining the Course File will compulsory for all faculty members. It should have complete record of every activity that happens during the course. The course file should contain:

a)Course Code and Title
b)Description of Course/Learning Outcomes
c)Course syllabus and changes, if any, made over at least 3 semesters
d)Weekly Teaching Schedule
e)Dates of Mid-Semester Examination
f)Grading Policy will identify each activity. such as Homework, Quizzes, Mid Semester Examination, Final Examination and Term Papers etc.
g)Copy of each Homework Assignment
h)Copy of each Quiz Assigned
i)Copy of Question Papers for Mid Semester Examination
j)Copy of Question Papers for Final/Semester End Examination
k)Grading Sheets of the Course, Detailing Statistical Data on the Grades obtained by Students
l)Difficulties/Problems faced by the Teacher and Students during Classroom/ Course Delivery

55.INDISCIPLINE IN EXAMINATIONS

55.1 Any candidate found guilty of following matters, his/her case will be referred to Unfair Means Committee of the University:

a)Removes a leaf from his/her answer book, the answer book shall be cancelled.
b)Submits forged or fake documents in connection with the examination.
c)Commits impersonation in the examination.
d)Copies from any paper, book or notes.
e) Mutilates the Answer Book.
f) Possesses any kind of material, which may be helpful to his/her in the examination.
g) Does anything that is immoral or illegal in connection with the examination and which may be helpful to him/her in the examination.
h) Refuses to obey the invigilation staff or refuses to follow the instructions issued by the University in connection with the examination.
i) misbehaves, uses obscene language with the invigilatory staff or creates any kind of disturbance in or around the examination centre.
j) Uses abusive or obscene language on the answer script.
k) Possesses any kind of weapon in or around examination centre.
l) Possesses any kind of electronic device which may be helpful in the examination

55.2 His/her case shall result in penalties keeping in view the nature and intensity of offence which may include the following:

a)Cancellation of paper.
b)Suspension from program for one semester.
c)Heavy and light Fine
d)Expulsion forever from the University.
e)Any other.

55.3 Appeal against the decision of the Unfair Means Committee

a) The aggrieved student can file an appeal to the Appellate Committee against the punishment awarded by the unfair means Committee within one week on payment of prescribed fee. The Appellate Committee can review the decision of the unfair means Committee.

b) The student, if not satisfied with the review decision of the Appellate Committee can submit representation to the President within one week, whose decision shall be final. No fee shall be charged for submitting representation to the President.

56.PERMISSION OF WRITER FOR SPECIAL STUDENTS

56.1 A visually impaired student may be allowed to attempt the Mid/Final term examinations of the University on Braille/ Computer/any other means of facilitation.

56.2 In case a student is physically handicapped/visually impaired, s/he may apply to the Head of the respective department (with medical certificate as proof of her/his disability) for permission to engage a writer in Tests/ Examinations of the University two weeks before the start of Tests/ Examinations. S/he will be allowed 45 minutes (maximum) extra time to solve the question paper. The HoD will send the request along with the documentary evidence, immediately to the Controller of Examinations for further necessary action / notification.
56.3 The qualification of the person who acts as writer of a handicapped student must be at least one step lower than that of the student. (e.g. for level 6 student, the writer should be at the most of level 5) and writer must not be of the same discipline in which the handicapped student is studying.

57. RECHECKING OF EXAMINATION SCRIPT

57.1 The answer book of a candidate shall not be re-assessed / re-marked under any circumstances. Whereas the re-checking does not mean re-assessment/re-evaluation/re-marking of the answer book. The Controller of Examination will arrange for re-checking of examination script by any faculty member from the relevant discipline on the complaint/request of students received within 10 days of the declaration of grades by the concerned Department. The Controller of Examination or any officer or rechecking committee appointed shall see that:

a)There is no computational mistake in the grand total on the title page of the answer book.
b)The total of various parts of a question has been correctly made at the end of each question.
c)All totals have been correctly brought forward on the title page of the answer book.
d)No portion of any answer has been left un-marked.
e)Total marks in the answer book tally with the marks sheet.
f)The hand-writing of the candidate tally in the answer book.

57.2 The candidate or anybody on his behalf has no right to see or examine the answer books for any purpose.
57.3 The marks and grade of a candidate could even decrease in light of 57.1 above. In the event of reduction of marks, the record shall be corrected accordingly.
57.4 There will be no rechecking / re-assessment of Lab and Viva Voce examination.
57.5 The President/Vice Chancellor may however sanction re-marking of theory papers of a given group of at least 50% or more of the total strength of students in a given class/subject when the circumstances so require.

58. DAMAGED/LOST ANSWER SCRIPT

In an exceptional case where answering script(s) is/are damaged, lost, or destroyed due to unavoidable circumstances, then the student(s) may be given the following options:

a) Average marks shall be awarded to the student(s) in that subject/course.
b) If the candidate(s) so desires, s/he shall be given another chance as a special case to take the make-up assessment in that subject/course soon after the termination of the relevant exam wherein the answer script(s) is/are damaged/lost.
c) The President shall have the final authority to decide and approve the appropriate course of action from the options mentioned above.

59. CHANGE/CORRECTION/ADDITION/DELETION OF STUDENT NAME/ FATHER'S NAME

59.1 When a student wishes to change his/her name as originally entered in the University record, he/she shall proceed as under:

a) He/she shall apply to the Registrar Office through the Head of the Department concerned for notifying the correction / change of name to all concerned.
b) He/she shall submit the revised SSC & HSSC documents.
c) He/she shall submit the cutting of the newspaper containing the published notice of change of name in at least one Daily Newspaper.
d) He/she shall support his/her application with an affidavit on a non-judicial stamp paper (not less than Rs. 100/-) duly sworn before Notary Public/Oath Commissioner by the Students himself/herself with signatures of the respectable witnesses thereon.

59.2 For change/correction of entries, the student may be required to furnish good cause together with necessary proofs/proceedings of the court of law, if any.

60. DISCIPLINE

All the studentenrolled must observethe rules and regulations of the University enforcedfrom time to time. Any infringement of discipline shall be dealt with under the university discipline rules.

61 SCHOLASTIC RECORD

61.1 The Controller of Examinations, CECOS University shall maintain the scholastic record of graduates.

61.2 Once the results are approved, the teacher will hand over the signed grade sheets to the Exam Coordinator and checked/marked answer books to the Exam Section (Secrecy), along with the manual award list.
61.3 After results have been reviewed and approved by the HoD, no further change will be allowed in the results without the approval of the Dean of the Concerned Faculty.
61.4 The consolidated result will be submitted by the exam coordinator to the Exam Section within the time limit specified in the academic calendar.
61.5 The Exam Section will scrutinize the result and notify it as final/official within the time limit specified in the academic calendar.
61.6 Once the result is officially declared, the request for correction (if any) will be routed through Dean to Vice Chancellor (within 10 working days). After the approval of the Vice Chancellor, the Exam Section will issue the corrigendum.
61.7 Changes made to individual student's grades will not affect the overall results of the class at this stage.

62 SPECIAL PROVISION

62.1 In all caseswhere these regulations are silent, the decision of the President shall be final.
62.2 The University authorities reserve the right to make any change in the rules, regulations, fee structure and courses of study that may be considered necessary at any time without priornotice.
62.3 The President/Competent Authority of the University can relax certain Rules as and when required on the recommendations of the Statutory Bodies.