

1. Engineering

- **Civil Engineering**

- **Courses:** Structural Engineering, Geotechnical Engineering, Transportation Engineering, Environmental Engineering
- **Degree Programs:** BSc in Civil Engineering, MSc in Civil Engineering, PhD in Civil Engineering
- **Specializations:** Construction Management, Urban Planning, Sustainable Design

- **Mechanical Engineering**

- **Courses:** Thermodynamics, Fluid Mechanics, Mechanical Vibrations, Heat Transfer
- **Degree Programs:** BSc in Mechanical Engineering, MSc in Mechanical Engineering, PhD in Mechanical Engineering
- **Specializations:** Robotics, Automotive Engineering, Aerospace Engineering

- **Electrical Engineering**

- **Courses:** Circuits, Electronics, Control Systems, Power Systems
- **Degree Programs:** BSc in Electrical Engineering, MSc in Electrical Engineering, PhD in Electrical Engineering
- **Specializations:** Power Electronics, Telecommunication, Renewable Energy

- **Computer Engineering**

- **Courses:** Algorithms, Data Structures, Digital Logic Design, Computer Architecture
- **Degree Programs:** BSc in Computer Engineering, MSc in Computer Engineering, PhD in Computer Engineering
- **Specializations:** Artificial Intelligence, Machine Learning, Cybersecurity

- **Software Engineering**

- **Courses:** Software Design, Database Management, Web Development, Software Testing
 - **Degree Programs:** BSc in Software Engineering, MSc in Software Engineering, PhD in Software Engineering
 - **Specializations:** Cloud Computing, Mobile App Development, Game Development
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2. Medicine

- **Bachelor of Medicine, Bachelor of Surgery (MBBS)**
 - **Courses:** Anatomy, Physiology, Biochemistry, Pathology, Surgery, Pediatrics
 - **Degree Programs:** MBBS (5 years), Internship (1 year), Residency (for specialization)
 - **Specializations:** Cardiology, Neurology, Orthopedics, Dermatology, Psychiatry
 - **Dentistry (BDS)**
 - **Courses:** Dental Anatomy, Oral Medicine, Prosthodontics, Orthodontics
 - **Degree Programs:** BDS (5 years)
 - **Specializations:** Periodontology, Oral Surgery, Pediatric Dentistry, Cosmetic Dentistry
 - **Pharmacy**
 - **Courses:** Medicinal Chemistry, Pharmacology, Pharmaceutical Chemistry, Drug Development
 - **Degree Programs:** Doctor of Pharmacy (Pharm.D), M.Pharm, Ph.D. in Pharmacy
 - **Specializations:** Clinical Pharmacy, Pharmacology, Pharmaceutical Manufacturing
 - **Nursing**
 - **Courses:** Fundamentals of Nursing, Anatomy & Physiology, Pharmacology for Nurses, Medical-Surgical Nursing
 - **Degree Programs:** Bachelor of Science in Nursing (BSN), Master of Science in Nursing (MSN), Ph.D. in Nursing
 - **Specializations:** Pediatric Nursing, Geriatric Nursing, Psychiatric Nursing
 - **Public Health**
 - **Courses:** Epidemiology, Health Policy, Environmental Health, Global Health
 - **Degree Programs:** MPH (Master of Public Health), Ph.D. in Public Health
 - **Specializations:** Health Management, Environmental Health, Epidemiology
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3. Business and Management

- **Business Administration (BBA)**
 - **Courses:** Principles of Management, Accounting, Marketing, Organizational Behavior
 - **Degree Programs:** BBA (4 years), MBA (2 years), Executive MBA
 - **Specializations:** Marketing, Finance, Human Resource Management, Operations Management
 - **Accounting and Finance**
 - **Courses:** Financial Accounting, Managerial Accounting, Financial Management, Investment Analysis
 - **Degree Programs:** B.Com, BBA in Finance, M.Com, MBA in Finance
 - **Specializations:** Forensic Accounting, Financial Risk Management, Corporate Finance
 - **Economics**
 - **Courses:** Microeconomics, Macroeconomics, Econometrics, International Economics
 - **Degree Programs:** BSc in Economics, MSc in Economics, Ph.D. in Economics
 - **Specializations:** Development Economics, Monetary Economics, Environmental Economics
 - **Marketing**
 - **Courses:** Marketing Management, Consumer Behavior, Digital Marketing, Strategic Marketing
 - **Degree Programs:** BBA in Marketing, MBA in Marketing, Master's in Digital Marketing
 - **Specializations:** Brand Management, Sales Management, Social Media Marketing
 - **Human Resource Management**
 - **Courses:** Organizational Development, Human Resource Planning, Performance Management, Employment Law
 - **Degree Programs:** BBA in HRM, MBA in HRM, MS in HRM
 - **Specializations:** Recruitment & Selection, Compensation and Benefits, Employee Relations
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4. Computer Science and Information Technology

- **Computer Science**
 - **Courses:** Programming Languages, Data Structures, Algorithms, Software Engineering
 - **Degree Programs:** BS in Computer Science, MS in Computer Science, PhD in Computer Science
 - **Specializations:** Data Science, Cybersecurity, Artificial Intelligence, Cloud Computing
 - **Information Technology (IT)**
 - **Courses:** Database Systems, Network Security, Web Technologies, Operating Systems
 - **Degree Programs:** BS in IT, MS in IT, PhD in IT
 - **Specializations:** IT Infrastructure, IT Project Management, Network Administration
 - **Artificial Intelligence (AI)**
 - **Courses:** Machine Learning, Natural Language Processing, Deep Learning, Robotics
 - **Degree Programs:** MS in Artificial Intelligence, PhD in AI
 - **Specializations:** Robotics, Cognitive Computing, AI for Healthcare
 - **Data Science**
 - **Courses:** Big Data, Data Mining, Predictive Analytics, Statistical Methods
 - **Degree Programs:** MS in Data Science, Ph.D. in Data Science
 - **Specializations:** Business Analytics, Data Visualization, Machine Learning
 - **Cybersecurity**
 - **Courses:** Ethical Hacking, Cryptography, Network Security, Cyber Law
 - **Degree Programs:** BS in Cybersecurity, MS in Cybersecurity, Ph.D. in Cybersecurity
 - **Specializations:** Penetration Testing, Cyber Forensics, Risk Management
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5. Arts and Humanities

- **English Literature**

- **Courses:** Shakespeare, Victorian Literature, American Literature, Literary Criticism
- **Degree Programs:** BA in English Literature, MA in English Literature, MPhil in English Literature
- **Specializations:** Literary Theory, Creative Writing, English Education

- **History**

- **Courses:** Ancient Civilizations, World History, Modern European History, History of Pakistan
- **Degree Programs:** BA in History, MA in History, Ph.D. in History
- **Specializations:** Ancient History, Medieval History, Political History

- **Philosophy**

- **Courses:** Ethics, Logic, Philosophy of Mind, Political Philosophy
- **Degree Programs:** BA in Philosophy, MA in Philosophy, MPhil in Philosophy
- **Specializations:** Metaphysics, Epistemology, Logic, Aesthetics

- **Psychology**

- **Courses:** Developmental Psychology, Clinical Psychology, Social Psychology, Cognitive Psychology
- **Degree Programs:** BA in Psychology, MA in Psychology, MPhil in Psychology
- **Specializations:** Clinical Psychology, Cognitive Behavioral Therapy, Educational Psychology

- **Sociology**

- **Courses:** Social Theory, Research Methods, Family Studies, Urban Sociology
 - **Degree Programs:** BA in Sociology, MA in Sociology, Ph.D. in Sociology
 - **Specializations:** Criminology, Social Work, Environmental Sociology
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6. Social Sciences

- **Political Science**

- **Courses:** Comparative Politics, International Relations, Political Philosophy, Public Administration
- **Degree Programs:** BA in Political Science, MA in Political Science, MPhil in Political Science
- **Specializations:** International Relations, Comparative Politics, Public Policy

- **International Relations**

- **Courses:** International Security, Globalization, International Law, Diplomacy
- **Degree Programs:** BA in International Relations, MA in International Relations, MPhil in International Relations
- **Specializations:** Peace and Conflict Studies, International Trade, Security Studies

- **Anthropology**

- **Courses:** Cultural Anthropology, Archaeological Methods, Social Anthropology
- **Degree Programs:** BA in Anthropology, MA in Anthropology, Ph.D. in Anthropology
- **Specializations:** Medical Anthropology, Forensic Anthropology, Cultural Anthropology