



NJV GOVT. HIGHER SECONDARY SCHOOL
'Knowledge is Coupled with Deed'

CAREER GUIDE

For Students and Young Professionals





Dear Student

Thank you for taking the time to read this Career Guide. It has been designed to provide school, college and university students like you an idea of the various career paths which can be chosen for the future and the areas of economy and society you may wish to serve, contribute in, and improve.

This book was compiled by educationists at NJV Government Higher Secondary School based in Karachi, Pakistan. Since its adoption by Akhuwat in 2015, NJV has been shaped as a model for providing quality public education to deserving communities. NJV emphasizes student's development in Emerging Technology, Critical Thinking, and Soft Skills. Multiple projects are in place, such as a state-of-the-art Fabrication Lab (FabLab), Continuing Enrichment Program (CEP), STEAM Program, Student Affairs, Gymnasium and Library, to improve the student development process. In case you are wondering, Akhuwat is the pioneer in interest-free (Qarz-e-Hasna) micro-finance in Pakistan since 2001.

This guide aims to provide an overview of some of the most common, yet overlooked, career choices of present time which can be pursued by the students. It also tries to address the lack of awareness, guidance and mentorship provided to students in schools and colleges regarding future planning and preparing.

Along with the brief description of various career types, a simple academic road map, national and international universities and suggested further reading is also given.

This book is by no means a complete package of information; rather it is designed to pique the interest of students to explore further options for their future careers. We encourage readers to use the information given here as a launchpad for further research to intrigue and inspire them.

It is hoped that this compilation of basic information will assist students in aiming for suitable goals and discovering the career paths where they find meaning, prosperity and fulfillment.

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Agriculture and Livestock

If you're wondering to yourself, are agriculture and livestock good majors to pursue? The answer is absolutely yes! While it isn't completely necessary to have a degree in agriculture or livestock to land many agriculture jobs, it can place you in a better position and opens up other possible opportunities in the industry. Some occupational areas are listed below:

Veterinary Science:

Veterinary Science is the field of medicine that deals with care of animals. It includes prevention, control, treatment of injury, disease, husbandry, breeding and research of animals.

Marine Biology:

Marine Biology is a vast field since it deals with the study of all aspects of marine life, organisms of the ocean.

Food Science:

Food Science is the discipline that revolves around the study of how engineering, biology and physical aspects affect the efficiency and quality of food.

Forestry:

Forestry is not just about the biology of trees, but it includes all aspects of trees and their

surroundings. The science of Forestry deals with resources that maintain, create, conserve and repair forests for environmental good.

Road map to degree

- Matriculation in Science
- Intermediate in Pre-medical
- Bachelors in Agriculture or Livestock related field



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Universities Details
<https://njv.edu/careerguide>

Universities in Pakistan

1. University of Karachi (Karachi)
2. Dadabhoy Institute of Higher Education (Karachi)
3. Jinnah University for Women (Karachi)
4. University of Agriculture (Faisalabad)
5. PMAS Arid Agriculture University (Rawalpindi)
6. University of Sargodha (Sargodha)
7. Lasbela University of Agriculture, Water and Marine Sciences (Las Bela)
8. National Institute of Oceanography (Karachi)
9. College of Veterinary & Animal Sciences (Jhang)
10. Baqai College of Veterinary Sciences (Karachi)

International Universities

1. Royal Veterinary College (London, UK)
2. Utrecht University (Utrecht, Netherlands)
3. Cornell University (Ithaca, USA)
4. University of Guelph (Guelph, Canada)
5. Ohio State University (Columbus, USA)
6. Ankara University (Ankara, Turkey)
7. Universiti Putra Malaysia (Putra, Malaysia)
8. Visayas State University (Baybay City, Philippines)
9. China Agricultural University (Beijing, China)
10. University of Campinas (Campinas, Brazil)



Healthcare

The healthcare industry offers many career opportunities that cater to a variety of skills and professional aptitudes. Some healthcare careers involve working directly with patients to diagnose, treat, and maintain their health, while others require managing patient information, billing, and/or administration. Common healthcare careers are listed below:

Psychiatry:

Psychiatry is a field of medicine that focus on understanding and treating mental health disorders and psychological distress.

Biochemists:

Biochemists are scientists who study the chemistry of living things, the complex chemical combinations and reactions involved in metabolism, reproduction, growth, and heredity.

Nursing:

Nursing practitioners assess needs, diagnose condition, formulate and prescribe treatment plans as needed by a patient.

Nutritionists:

Nutritionists are experts in food and diet. They can help patients choose the right things to eat,

help them plan menus, and advise them on the health effects of certain foods.

Physiotherapist:

Physiotherapist rehabilitates patients by helping them improve their physical movement.

Hypnotherapists:

Hypnotherapists use guided relaxation, intense concentration, and focused attention to achieve a heightened state of awareness.

Road map to degree

- Matriculation in Science
- Intermediate in Pre-medical
- Bachelors in Healthcare related field



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Universities Details
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Universities in Pakistan

1. Aga Khan University (Karachi)
2. Dow University of Health Sciences (Karachi)
3. Giff University (Gujranwala)
4. Liaquat National Medical College (Karachi)
5. Jinnah Medical and Dental College (Karachi)
6. Khyber Medical University (Peshawar)
7. Liaquat University of Medical and Health Sciences (Jamshoro)
8. University of Health Sciences Lahore (Lahore)
9. Fatima Jinnah Medical University (Lahore)
10. Multan College Of Health And Nutrition (Multan)

International Universities

1. Harvard University (Cambridge, USA)
2. King's College London (London, UK)
3. University College London (London, UK)
4. University of Toronto (Toronto, Canada)
5. Istanbul University (Istanbul, Turkey)
6. University of Indonesia (Jakarta, Indonesia)
7. University of Queensland (Queensland, Australia)
8. University of Auckland (Auckland, New Zealand)
9. International Medical University (Kuala Lumpur, Malaysia)
10. Chongqing Medical University (Chongqing, China)



Post MBBS Specializations

Bachelor of Medicine, Bachelor of Surgery, is abbreviated in many ways, most commonly MBBS. It is the primary medical degree awarded by medical schools in countries that follow the tradition of the United Kingdom. The historical degree nomenclature states that they are two separate undergraduate degrees. In practice, however, they are usually combined as one and conferred together, and may also be awarded at graduate-level medical schools. There is a long list of possible specialization one can pursue after an MBBS degree, more common ones are listed below:

Obstetrics and Gynecology:

Obstetrics and Gynecology It deals with the study of the female reproductive system aspects related to it, from pregnancy and labor and in the analyzing and treatment of diseases.

Dermatology:

Dermatology is the study of the human skin and all medical and surgical aspects of it. It focuses on medical problems affecting skin, hairs, nails and mucous membranes.

Ophthalmology:

Ophthalmology deals with all medical and surgical aspects of the human eye. It deals with treating common eye disorders and performing extensive eye correction surgeries.

Orthopedics:

Orthopedics is the study of the human musculoskeletal system, including specialties focusing on diseases of the bones, joints, muscles, ligaments, tendons, and nerves, and their treatment.

ENT:

An ENT doctor specializes in everything having to do with the ear, nose, and throat. They are also called otolaryngologists.

Anesthesiology:

Anesthesiology It is concerned with the total perioperative care of patients before, during and after surgery. It encompasses anesthesia, intensive care, critical emergency, and pain medicine.

Nephrology:

Nephrologists are clinical specialists who have authority in the diagnosing and treating disease related to kidney and urinary system, that include aggravation of the kidneys, chronic kidney disease.

Cardiology:

Cardiology is a branch of internal medicine that studies the heart and deals with the treatment of problems of the heart and all aspects related to it including arteries and veins.

Pathology:

Pathology is a branch of medical science that involves the study and diagnosis of disease through the examination of surgically removed organs, tissues (biopsy samples), bodily fluids, and in some cases the whole body (autopsy).

Immunology:

Immunology is the study that deals with the human immune system, and how it works to keep our bodies safe.

General Surgery:

General Surgery not only perform surgeries for a wide range of common ailments, but are also responsible for patient care before, during, and after surgery.

Pediatrics:

A Pediatrician is a medical doctor who specializes in treating infants, children, adolescents, and young adults.

Pulmonology:

A pulmonologist is a physician who specializes in the respiratory system, from the windpipe to the lungs.

Endocrinology:

Endocrinology is a branch of biology and medicine dealing with the endocrine system, its diseases, and its specific secretions known as hormones



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Universities in Pakistan

1. Aga Khan University (Karachi)
2. Dow University of Health Sciences (Karachi)
3. Ziauddin University (Karachi)
4. Liaquat National Medical College (Karachi)
5. Jinnah Medical and Dental College (Karachi)
6. Khyber Medical University (Peshawar)
7. Liaquat Uni. of Medical & Health Sci. (Jamshoro)
8. University of Health Sciences Lahore (Lahore)
9. Fatima Jinnah Medical University (Lahore)
10. King Edward Medical College (Lahore)

International Universities

1. Harvard University (Cambridge, USA)
2. University of Oxford (Oxford, UK)
3. Stanford University (Stanford, USA)
4. University of Cambridge (Cambridge, UK)
5. John Hopkins University (Baltimore, USA)
6. Karolinska Institutet (Stockholm, Sweden)
7. Yale University (New Haven, USA)
8. Imperial College London (London, UK)



Science and Engineering

Using principles of science, technology and maths, engineers can find themselves performing a wide variety of jobs. This includes researching and designing ways to remove plastics from the ocean, building and maintaining software systems, developing or maintaining advanced communication systems, helping steam turbines to run more effectively and much more besides.

There is a long list of possible specialization one can pursue with an Engineering degree, more common ones are listed below:

Astrophysics:

Astrophysics is a branch of space science that applies the laws of physics and chemistry to explain the birth, life and death of stars, planets, galaxies, nebulae and other objects in the universe.

Nanotechnology:

Nanotechnology deals with materials and devices which manipulate/alter matter at a molecular level. Performing precise alterations at this molecular level is extremely important since quantum mechanics must be the rules to be followed at this quantum realm.

Environmental biologists:

Environmental biologists are mainly responsible for monitoring environmental conditions and conducting environmental impact assessments for development projects.

Architecture:

Architecture is the discipline in which an individual learns to create, plan and design structures.

Chemical Engineer:

Chemical Engineer holds the knowledge of chemistry physics, math and mass production.

Civil Engineering:

Civil Engineering is a vast field of science which deals with the manufacturing, design and planning of changes to the physical environment.

Electronic Engineering:

Electronic Engineering is the study of design, fabrication, and operation of circuits, electronic devices, and systems.

Metallurgical Engineering:

Metallurgical Engineering is a study of materials and how they interact with their surroundings and the processes that humans put them through.

Mechanical Engineering:

Mechanical Engineering is one in which an individual is taught to combine all aspects of physics and math to produce products in order to make human lives easier.

Environmental Engineering:

Environmental Engineering encompasses broad scientific topics to create solutions that will protect and also improve the health of living organisms and improve the quality of the environment.

Aeronautical Engineering:

Aeronautical Engineering deals with the science of designing and producing aircraft that efficiently work with the laws of physics while being very efficient at fastening travel.

Geospatial information:

Geospatial information scientists specialize in producing maps, tables, reports, and data layers using GIS technology.

Road map to degree

- Matriculation in Science
- Intermediate in Pre-medical
- Bachelors in Engineering related field



Universities in Pakistan

1. Pak-Austria Fachhochschule (Haripur, KPK)
2. NED University of Engineering & Technology (Karachi)
3. Dawood University of Engineering (Karachi)
4. National University of Science & echnology (Karachi)
5. University Of Punjab (Lahore)
6. Institute Of Space Technology (Islamabad)
7. Karakoram International University (Gilgit)
8. DJ Scince College (Karachi)
9. Mehran University of Science and Technology (Jamshoro)
10. Balochistan University of Engn. & Tech. (Khuzdar)

International Universities

1. Massachusetts Institute of Technology (USA)
2. University of Technology Sydney (Ultimo, Australia)
3. Zhejiang University (Hangzhou, China)
4. Huazhong University of Sci. & Tech. (Wuhan, China)
5. University of Amsterdam (Amsterdam, Netherlands)
6. Istanbul Technical University (Turkey)
7. University of Cambridge (Cambridge, UK)
8. Delft University of Technology (Delft, Netherlands)
9. Nanyang Technological University (Singapore)
10. University of Tokyo (Tokyo, Japan)



Sports and Fitness

Careers related to Sports and Fitness include sports club manager, sports coach, fitness instructor, recreational group leader, personal trainer, fitness center manager, outdoor activities/education manager, secondary school PE teacher, sports development officer, event organizer, sports administrator, strength and conditioning coach, diet and nutritionist, performance analyst, sport therapist, sport psychologist and exercise physiologist.

Major ones are described below:

Sport Team Managers:

Sport Team Managers are responsible for administrating, organizing events, transporting, training and development, coordinating the value of the team, and even working to promote the team.

Fitness Coach:

Fitness Coach is a professional in the fields of fitness, exercise and dietary knowledge. He or she instructs people who wish to improve their health and maintain a good diet.

Sports Medicine:

Sports Medicine is a part of specialized medicine in which a person treats or prevents physical injuries related to sport and exercise.

Athlete:

Athlete is someone who competes in sports; this could be physical strength, speed or endurance. Sports categories are virtually limitless.

Road map to degree

- Matriculation any discipline
- Intermediate any discipline
- Bachelors or Certifications in Physical Education or Therapy



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Universities in Pakistan

1. Institute of Modern Studies Peshawar (Peshawar)
2. Aga Khan University (Karachi)
3. University of Punjab (Lahore)
4. University of Karachi (Karachi)
5. Lahore Leads University (Lahore)
6. Women University Swabi (Swabi)
7. Bahauddin Zakariya University (Multan)
8. Federal University of Science (Karachi)
9. Khyber Medical University (Peshawar)

International Universities

1. Singapore Institute of Management (Singapore)
2. Tianjin University (China)
3. Yeditepe University (Turkey)
4. Sophia University (Japan)
5. De La Salle University (Philippines)



Civil, Policy and Law

A career in policy can include working in academia, industry, government, and non-profits to create new policies or change existing policies at the local, state, national, or global scale. Policy could be a fit for you if you like thinking about the big picture and having a widespread, tangible impact. Working in policy often involves collecting and analyzing data, making recommendations based on that research, writing proposals and policies, and communicating with stakeholders to advance your recommendations.

A career in law can be a great way to combine your technical interests with non-technical skills. For example, there is an increasing need for lawyers who understand technology and the law as technology continue to advance at a rapid pace.

Some occupational areas are listed below:

Economist:

An Economist is an expert who studies the relationship between a society's resources and its production or output.

Lawyers or Advocates:

Lawyers or Advocates are people who advice government agencies, businesses and individuals on legal disputes, legal issues and also represent them in courts and legal transactions.

Law Enforcement:

Law enforcement is jointly carried out by the federal and provincial police services and other law enforcement agencies from investigation of suspected criminal activity to administration of criminal punishment.

Policy maker:

Policy maker is someone who creates ideas and plans, especially those carried out by a business or government.

Politician:

Politician is a person active in party politics, or a person holding or seeking an office in government.

Military:

The path to joining the Military after high school starts with the "Pakistan Military Academy", where students learn all aspects of Pakistan forces and how they operate.

Civil and Public Services:

Those who wish to join Civil and Public Services in the governmental ambit appear in high level competitive exam called CSS which is taken by the Federal Public Service Commission.

Road map to degree

- Matriculation
- Intermediate
- Bachelors in related field/selection test

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Universities in Pakistan

1. Sindh Muslim Government Law College (Karachi)
2. Quaid-e-Azam University (Islamabad)
3. University of Okara (Okara)
4. Times Institute (Multan)
5. Bacha Khan University (Charsadda)
6. University of Buner (Buner)
7. Islamia University of Bhawalpur (Bhawalpur)
8. University of Chitral (Chitral)
9. University of Turbat (Turbat)
10. Karachi University (Karachi)

International Universities

1. The University of Law (Hong Kong)
2. Beijing Institute of Technology (China)
3. Harvard University (Cambridge, USA)
4. Science Po (Dijon, France)
5. London School of Economics (London, UK)



Arts and Entertainment

If you're looking to pursue a career in the arts and entertainment industry, you'll have many different career paths from which to choose. You can choose to work in a variety of establishments, including art museums, movie theaters, sports arenas, and amusement parks. You may be interested in visual arts, music and performing arts or a combination of those fields. You may choose to devote your life to creating art, assisting artists and performers or working at an arts and entertainment facility.

Some occupational areas are listed below:

Writing:

Writing is another great means of expression, it can also be a record of an event in time or just about anything someone decides to write.

Graphic Design:

Graphic design is the profession and academic discipline whose activity consists in projecting visual communications intended to transmit specific messages to social groups, with specific objectives. As opposed to art, whose aim is merely contemplation, design is based on the principle of "form follows a specific function".

Performing Arts:

Performing arts refers to forms of art in which artists use their voices, bodies or inanimate objects to convey artistic expression.

Music:

The discipline of Music is an abstract and flexible form of art and entertainment. Music stems vastly from culture and tradition.

Media Studies:

Media studies is a discipline and field of study that deals with the content, history, and effects of various media; in particular, the mass media.

Fine Arts:

The field of Fine Arts is a vast discipline that allows an individual to express themselves and explore creative possibilities to turn them into pieces of décor or practical life.

Textile designing:

Textile designing is the field in which thread is woven to mass produce fabric to either become home textile or a practical outfit that can be worn.

Road map to degree

- Matriculation
- Intermediate
- Bachelors in Arts and Entertainment related field

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Universities in Pakistan

1. Karachi School of Arts (Karachi)
2. University of Karachi (Karachi)
3. CMA College of Arts and Media (Karachi)
4. Indus Valley School of Art (Karachi)
5. NAPA (Karachi)
6. University College of Arts and Design (Lahore)
7. School of Creative Arts (Lahore)
8. University of Art and Culture (Jamshoro)
9. National College of Arts (Lahore)
10. Baabroz Drama and Acting School (Lahore)
11. Institute of Arts & Design University of Sindh
12. Arts Council Institute of Arts & Crafts (Karachi)

International Universities

1. De La Salle University (Philippines)
2. Beijing Film Academy (China)
3. Wuhan Conservatory of Music (China)
4. Royal College of Arts (London, UK)
5. University of Arts London (London, UK)
6. Parsons School of Design (New York, USA)
7. Rhode Island School of Design (Providence, USA)
8. Ontario College of Art & Design University (Canada)



Social Sciences and Humanities

The social sciences encompass the scientific study of societies and the interactions of individuals within them. There are several careers that fall under the social sciences. You can compare and contrast them based on the following job descriptions, educational requirements, earnings, and job outlook. Some occupational areas are listed below:

Anthropology:

It is a study of human behavior; what it means to be human ranges from the study of culture and social relations, to human biology and evolution, to languages, to music, art and architecture, and to vestiges of human habitation.

Archaeologists:

Archaeologists use scientific sampling techniques to guide them as to where they need to dig on the site. They observe, record, categorize, and interpret what they find, then share their findings.

Human rights:

Human rights officers address and attempt to stop violations of human rights around the world. They gather information regarding human rights violations and coordinate efforts to intervene if necessary.

Journalist:

Journalist collects, reports, edits, and communicates news items through various forms of media like print and electronic media.

Teacher:

Teacher is responsible for preparing lesson plans and educating students at all levels. Their duties include assigning homework, grading tests, and documenting progress.

Psychologist:

Psychologist is someone who studies mental processes and human behavior by observing, interpreting, and recording how people relate to one another and the environment.

Sociologists:

Sociologists study people's social lives, activities, behaviors, interactions, processes, and organizations within the context of larger social, political, and economic forces.

Road map to degree

- Matriculation
- Intermediate
- Bachelors in Social Science related field



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Universities in Pakistan

1. University of Karachi (Karachi)
2. University Of Science & Technology (Bannu)
3. Bahria University (Islamabad)
4. Quaid-e-Azam University (Islamabad)
5. University Of Sindh (Jamshoro)
6. Fatima Jinnah Women University (Rawalpindi)
7. University of Okara (Okara)
8. Bahauddin Zakaria University (Multan)
9. University of Balochistan (Quetta)
10. Punjab University (Lahore)

International Universities

1. University of California (Berkeley, USA)
2. Australian National University (Canberra, Australia)
3. London School of Economics (London, UK)
4. Ankara University (Ankara, Turkey)
5. Universiti Putra Malaysia (Putra, Malaysia)
6. Visayas State University (Baybay City, Philippines)
7. Shanghai University (China)
8. University of Campinas (Campinas, Brazil)



Information Technology

Information technology (IT) professionals are responsible for helping organizations maintain their digital infrastructure and providing troubleshooting assistance to technology consumers. IT employees are in demand to help others keep up with technological advances and security procedures.

If you are interested in developing skills in programming and problem-solving, you may consider a career in IT. Some occupational areas are listed below:

Database Engineers:

Database Engineers are the one who take up the task of formalizing digital data, their storage and warehousing, maintenance and clean up.

Cyber Security:

Cyber Security professional is someone who takes the task of ensuring security of digital assets of individuals and corporations.

Game Development:

Game Development can be divided into two tasks, programming of the game (done by Game Programmer) and designing of the game (done by a 2D/3D designer).

IT Infrastructure Engineer:

An IT Infrastructure Engineer is someone who is responsible for building, maintaining, troubleshooting and resolving IT related problems in organizations.

Software Engineering:

Software Engineering is a branch of Computer Science in which computer engineers take up the tasks of developing computer software.

AGI - Artificial General Intelligence:

The path to getting into the field of AI (Artificial Intelligence) or AGI (Artificial General Intelligence) is one with many subsets, mathematics, statistics, coding (C++) and algorithms.

Road map to degree

- Matriculation in Science
- Intermediate in Pre-Engineering / Computer Science
- Bachelors in IT related field

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Universities in Pakistan

1. Pak-Austria Fachhochschule (Haripur, KPK)
2. National University of Science and Technology (Islamabad and Karachi)
3. National University of Computer and Emerging Sciences (Karachi and Lahore)
4. University of Punjab (Lahore)
5. University of Karachi (Karachi)
6. Institute of Business Administration (Karachi)
7. Lahore University of Management Sciences
8. Information Technology University (Lahore)
9. Air University (Islamabad)
10. Habib University (Karachi)

International Universities

1. Massachusetts Institute of Technology (Cambridge, USA)
2. Carnegie Mellon University (Pittsburg, USA)
3. National University of Singapore (Singapore)
4. University of California (Berkeley USA)
5. Swiss Federal Institute of Technology (Zurich, Switzerland)
6. Ankara University (Ankara, Turkey)
7. Universiti Teknologi Malaysia (Johor, Malaysia)
8. Ateneo de Manila University (Quezon City, Philippines)
9. Huazhong University of Science and Technology (Wuhan, China)
10. Universidade de São Paulo (São Paulo, Brazil)



Business and Trading

Careers in business are wide-ranging, and any list of job titles is only going to scratch the surface of potential positions and career paths you can pursue. With that in mind, it's a good idea to be familiar with various job titles in order to get you thinking about what type of business career is a match for you.

Some titles exist in virtually every aspect of every industry, such as administrative assistant, office manager, branch manager, and operations manager. Others are specific to certain divisions that most, but not all, businesses have, such as accounting or human relations or resources. Some occupational areas are listed below:

Sale:

Sale is the process of selling goods and services whereas Marketing is the process of making people interested in the products and services that are being sold.

Human Resource Management:

Human resource management is the study of managing, motivating and allocating human resources.

Corporate Lawyer:

As this is a specialization of the Legal profession that focuses on corporate and companies a Corporate Lawyer would be representing their entities of all kinds.

Financial Management:

Financial Management is the study of analyzing money, investments and is related to forecasting and predicting cash flows.

Business Analyst:

The primary role of a Business analyst is to understand a company's goals, objectives, determine the gaps in company's performance.

Public Relations Manager:

PR Manager is a media and public relation professional responsible for planning and directing the creation of material that will maintain or enhance the public image of their employer or client.

Road map to degree

- Matriculation
- Intermediate
- Bachelors in Business related field

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Universities in Pakistan

1. Institute of Business Administration (Karachi)
2. Lahore University of Management Sciences
3. Iqra University (Karachi)
4. University of Karachi (Karachi)
5. SZABIST (Karachi)
6. Lahore School of Economics (Lahore)
7. Institute of Business Management (Karachi)
8. University of Punjab (Lahore)
9. Imperial College of Business Studies (Lahore)
10. Beaconhouse National University (Lahore)

International Universities

1. University of International Business and Economics (Beijing, China)
2. Universidade Federal do Paraná (Curitiba, Brazil)
3. INSEAD (Fontainebleau, France)
4. London Business School (London, USA)
5. University of Pennsylvania (Philadelphia, USA)
6. Bocconi University (Milan, Italy)
7. HEC Paris School of Management (Josas, France)
8. Atilim University (Ankara, Turkey)
9. Sunway College (Kuala Lumpur, Malaysia)
10. Visayas State University (Baybay City, Philippines)



Hospitality

The industry is quite broad. It includes jobs working in hotels, restaurants, casinos, theme parks, cruise lines, and other facilities that help customers meet their leisure and recreational needs.

Many jobs in the hospitality industry involve dealing with customers face-to-face in a variety of ways. But there are also behind-the-scenes jobs that include positions in sales, marketing, and accounting. Food services jobs also abound in the hospitality industry, including wait staff and food preparation jobs.

Some occupational areas are listed below:

Culinary Arts:

Culinary Arts provides specific training required to prepare students to assume positions as trained culinary professionals in a variety of food service settings including full service restaurants, hotels, resorts, and clubs, catering operations, contract food service and health care facilities.

Hospitality management:

Hospitality management is a career path that typically falls under the hotels, resorts, and lodg-

ing industry. Professionals in this field create and run many aspects of the guest experience.

Road map to degree

- Matriculation
- Intermediate
- Bachelors in Hospitality related field



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Universities in Pakistan

1. Karachi Institute of Culinary Arts (Karachi)
2. Skillston - National Institute of Culinary Arts and Hotel Management (Karachi)
3. MasterClass Pakistan - Hospitality Business School (Karachi)
4. 7 Chefs Institute of Culinary Arts (Karachi)
5. College of Tourism and Hotel Management (Karachi)
6. Pak Culinary Arts Institute (Karachi)
7. Professional Institute of Hotel and Tourism Management (Karachi)

International Universities

1. Zhejiang Gongshang University (China)
2. Ecole Hoteliere de Lausanne (Lausanne, Switzerland)
3. Hong Kong Polytechnic University (Hong Kong)
4. Hostel School The Hague (Netherlands)
5. Swiss Hotel Management School (Switzerland)
6. Ankara University (Ankara, Turkey)
7. Universiti Putra Malaysia (Putra, Malaysia)
8. Visayas State University (Baybay City, Philippines)
9. University of Campinas (Campinas, Brazil)
10. Culinary Institute of America (Hyde Park, USA)



Financial Management

The field of financial management includes jobs that involve overseeing the cash flow, investments, financial reports and overall financial strategies of an organization. Specific responsibilities depend upon a manager's particular job in financial management.

Some occupational areas are listed below:

ACCA:

ACCA is a leading accounting body. This qualification is accepted and is treated in many countries as being equivalent to their native chartered accountancy qualification.

Chartered Accountancy (CA):

Chartered Accountancy (CA) is one of the esteemed qualifications renowned in the professional network worldwide. This qualification broadens your horizons in the fields of finance, accounting, taxation and secretariat practices.

CIMA:

The Chartered Institute of Management Accountants is an internationally recognized, biggest professional body of management accountants offering the most pertinent accounting qualification for business professionals. If you plan to build a career in business or

finance, the CIMA qualification will trigger loads of opportunities with the best employers around the globe.

Road map to degree

- Matriculation
- Intermediate
- Certification in Financial Management related field

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Universities in Pakistan

1. SKANS School of Accountancy (Multiple Cities)
2. College of Accounting and Professional Studies (Lahore)
3. College of Accounting and Management Science (Karachi)
4. KnS School of Business Studies (Karachi)
5. Professional College of Accountancy (Karachi)
6. Rise School of Accountancy (Lahore)
7. Escriber College of Advance Studies (Karachi)
8. School Of Accounting And Finance (Lahore)
9. The Millennium University College (Islamabad)
10. Tabani's School of Accountancy (Karachi)

International Universities

1. Massachusetts Institute of Technology (Cambridge, Massachusetts)
2. University of Pennsylvania (Philadelphia, Pennsylvania)
3. Bocconi University (Italy)
4. University of California (Berkeley, California)
5. National University of Singapore (Singapore)
6. Hong Kong University of Science and Technology (Hong Kong)
7. Erasmus University (Rotterdam, Netherlands)
8. Columbia University (New York City, New York)
9. New York University (New York)
10. Harvard University (United States)



- De Lahunta's Veterinary Neuroanatomy and Clinical Neurology - Alexander DeLahunta, Eric Glass, and Marc Kent, 2020
- Becoming a Marine Biologist - Virginia Morell, 2019
- Molecules, Microbes, and Meals: The Surprising Science of Food - Alan Kelly, 2019
- Making Thinking Visible: How to Promote Engagement, Understanding, and Independence for All Learners - Ron Ritchhart, Mark Church, Karin Morrison, 2011
- Biochemistry For Dummies - John T. Moore, Richard H Langley, 2008
- The Language of Kindness - Christie Watson, 2018
- Fundamentals of Human Nutrition: For Students and Practitioners in the Health Sciences - Hilary J. Powers, Catherine Geissler, 2009
- Anatomy Trains: Myofascial Meridians for Manual Therapists and Movement Professionals - Thomas W. Myers, 2020
- Being Mortal: Medicine and What Matters in the End - Atul Gawande, 2017
- Magic Words and Language Patterns: The Hypnotist's Essential Guide to Crafting Irresistible Suggestions - Karen Hand, 2017
- Pediatric Respiratory Diseases - Pablo Bertrand, Ignacio Sánchez, 2021
- Diagnosis and Treatment Pediatrics - William Hay, Myron Levin, Mark Abzug, Maya Bunik, 2020
- Basic Immunology: Functions and Disorders of the Immune System 6th Edition - Abul K. Abbas, 2019
- Robbins Basic Pathology by Kumar, Abbas & Aster BRS Pathology - Schneider & Szanto, 2017
- Comprehensive Clinical Nephrology, ed.6 - Richard J. Johnson, 2021
- The Human Body (Documentary) – 2017
- Practical Cardiovascular Medicine - Ellis Hanna, 2017
- Basics of Anesthesia - Ronald D. Miller, 2021

Recommended resources for further reading and viewing



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Top Pakistan Universities

- Akhuwat University, Kasur, <https://akhuwat.org.pk/>
- University of Punjab, Lahore, <http://www.pu.edu.pk/>
- Lahore University of Management Sciences, Lahore, <https://lums.edu.pk/>
- Aga Khan University, Karachi, <https://www.aku.edu/>
- National University of Sciences and Technology, Islamabad, <https://nust.edu.pk/>
- COMSATS Institute of Information Technology, Karachi, <https://www.comsats.edu.pk/>
- University of Management and Technology, Lahore, <https://www.umat.edu.pk/>
- Riphah International University, Rawalpindi, <https://www.riphah.edu.pk/>
- National University of Computer and Emerging Sciences, Karachi, <http://nu.edu.pk/>
- Institute of Business Administration, Karachi, iba.edu.pk
- Bahria University, Karachi, <https://www.bahria.edu.pk/>
- University of Engineering and Technology, Lahore, <https://www.uet.edu.pk/>
- University of Agriculture, Faisalabad, <http://www.uaf.edu.pk/>
- The University of Lahore, Lahore, <https://uol.edu.pk/>
- International Islamic University, Islamabad, <https://iiu.edu.pk/default.htm>
- Sukkur Institute of Business Administration, Sukkur, <https://www.iba-suk.edu.pk/>
- University of Karachi, Karachi, <https://uok.edu.pk/>
- University of Sargodha, Sargodha, <https://su.edu.pk/>
- University of Central Punjab, Lahore, <https://ucp.edu.pk/>
- University of Peshawar, Peshawar, <http://www.uop.edu.pk/>
- Lasbela University of Agriculture, Water and Marine Sciences, Uthal, <https://www.luawms.edu.pk/>
- University of Baluchistan, Quetta, <http://web.uob.edu.pk/>
- Mehran University of Engineering and Technology, Jamshoro, <https://www.muuet.edu.pk/>
- Islamia College University Peshawar, Peshawar, <https://icp.edu.pk/>
- National Textile University, Faisalabad, <https://www.ntu.edu.pk/>
- Pak-Austria Fachhochschule: Institute of Applied Sciences and Technology, <https://paf-iaist.edu.pk/>

Top International Universities

- Yeditepe Üniversitesi, Istanbul, Turkey, <https://yeditepe.edu.tr/>
- Istanbul University, Istanbul, Turkey, <https://www.istanbul.edu.tr/en/>
- Tsinghua University, Beijing, China, <https://www.tsinghua.edu.cn/en/>
- Zhejiang University, Hangzhou, China, <https://www.zju.edu.cn/english/>
- Baku State University, Baku, Azerbaijan, http://bsu.edu.az/en/welcome_to_baku_state_university
- Sultan Qaboos University, Muscat, Oman, <https://www.squ.edu.om/>
- German University of Technology in Oman, Halban, Oman, <https://www.gutech.edu.om/>
- University of Buraimi, Al Buraimi, Oman, <https://www.uob.edu.om/>
- Al Sharqiyah University, Ibra, Oman, asu.edu.om
- Arab International University (AIU), Ghabaghib, Syria, <https://www.aiu.edu.sy/>
- International University for Science and Technology, Al-Sanamayn, Syria, <http://iust.edu.sy/ar/>
- Damascus University, Damascus, Syria, <http://www.damascusuniversity.edu.sy/>
- King Saud University, Riyadh, Saudi Arabia, <https://ksu.edu.sa/en/>
- King Abdullah University of Science and Technology, Thuwal, Saudi Arabia, www.kaust.edu.sa/en
- Umm Al-Qura University, Mecca, Saudi Arabia, <https://uqu.edu.sa/en>
- University of Science and Technology of China, Hefei, China, <https://en.ustc.edu.cn/>
- Iran University of Science and Technology, Tehran, Iran, <http://www.iust.ac.ir/en>
- Mashhad University of Medical Sciences, Mashhad, Iran, <https://www.mums.ac.ir/index.php/en/>
- University of Malaya, Kuala Lumpur, Malaysia, <https://www.um.edu.my/>
- International Islamic University Malaysia, Selangor, Malaysia, <https://www.iiu.edu.my/v2/>
- The American University in Cairo, New Cairo, Egypt, <https://www.aucegypt.edu/home>
- University of Cambridge, Cambridge, England, <https://www.cam.ac.uk/>
- University of Oxford, Oxford, England, <https://www.ox.ac.uk/>

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