

B.Com (GENERAL)

Program Outcomes(POs)

PO-1: After completing three years for Bachelors in Commerce (B.Com) program, students would gain a thorough grounding in the fundamentals of Commerce and Finance.

PO-2: The commerce and finance focused curriculum offer a number of practical exposures which would equip the student to face the modern-day challenges in commerce and business

PO-3: The All-inclusive outlook of the course offer a number of values based and job-oriented courses ensures that students are trained into up-to-date. In advanced accounting courses beyond the introductory level, affective development will also progress to the valuing and organization levels.

PO-4: Learners will gain thorough systematic and subject skills within various disciplines of commerce, business, accounting, economics, finance, auditing and marketing.

PO-5: Learners will be able to prove proficiency with the ability to engage in competitive exams like CA, CS, ICWA and other courses.

PO-6: Learners will be able to recognize features and roles of businessmen, entrepreneur, managers, consultant,

which will help learners to possess knowledge and other soft skills and to react aptly when confronted with critical decision making.

PO-7: Enhance the capability of Decision making.

PO-8: Makes students ready & develop various Managerial & Accounting skills for Better Professional Opportunities.

PO-9: Learners will develop Entrepreneurial Skills, Develop skills & builds Confidence to face challenges of corporate world.

PO-10: Students independently can start their Business.

PO-11: Students can also get the practical skills to work as accountant, audit assistant, tax consultant, and computer operator as well as other financial supporting services.

PO-12: The students will acquire the knowledge, skill in different areas of communication, decision making, innovations and problem solving in day-to-day business activities.

PO-13: Learners will be able to do higher education and advance research in the field of commerce and finance.

B.Com HONOURS

Program Outcomes (POs)

At the end of the B.Com Honours Program, graduates will be able to:

- **Have comprehensive knowledge of Finance, Accounting, Taxation and Business laws.**
- **Have professional, inter personal and entrepreneurial skills.**
- **To acquaint a student with knowledge about business, trade and aids to trade.**
- **To enable a student with nature of various financial instruments.**
- **To acquaint a student with overview of the business environment, its operations and entrepreneurship.**
- **To help the students to understand the working and structure of banking and insurance sectors.**
- **To develop communication skills of the students.**

B.Com-CA (COMPUTER APPLICATIONS)

Program Outcomes (POs)

At the end of the B.Com (Computer Applications) program, graduates will be able to

- Acquire knowledge and skills in the field of management, accounting, marketing and human relations.**
- Apply the entrepreneurial and managerial skills for effective and business management.**
- Acquire employability skills through the practical awareness on the IT in management.**
- To comprehend applicability of management principles to situationing Global business world.**
- Develop legal and ethical value for the continuous development of business venture.**

B.Com-BA (BUSINESS ANALYTICS)

Program Outcomes(POs)

After completing three years for Bachelors in Commerce (B.Com BUSINESS ANALYTICS)

PO-1: After completing three years for Bachelors in Commerce (B.Com BA) program, students would gain a thorough grounding in the fundamentals of Commerce and Finance.

PO-2: The commerce and finance focused curriculum offer a number of practical exposures which would equip the student to face the modern-day challenges in commerce and business

PO-3: The All-inclusive outlook of the course offer a number of values based and job-oriented courses ensures that students are trained into up-to-date. In advanced accounting courses beyond the introductory level, affective development will also progress to the valuing and organization levels.

PO-4: Learners will gain thorough systematic and subject skills within various disciplines of commerce, business, accounting, economics, finance, auditing and marketing.

PO-5: Learners will be able to prove proficiency with the ability to engage in competitive exams like CA,CS, ICWA and other courses.

BBA(BACHELOR OF BUSINESS ANALYTICS)

Program Outcomes (POs)

At the end of the B.B.A. Program, graduates will be able to

- **Acquire knowledge and skills in the field of management, accounting, marketing and human relations.**
- **Apply the entrepreneurial and managerial skills for effective and business management.**
- **Acquire employability skills through the practical awareness on the IT in management.**
- **To comprehend applicability of management principles to situationing Global business world.**
- **Develop legal and ethical value for the continuous development of business venture.**

B.Sc MSCs (Mathematics, Statistics, Computer Science)

Program Outcomes (POs)

PO1: Acquire knowledge in Physical Sciences with a thrust on fundamental principles and theories related to various scientific phenomena and their relevance in day-to-day life.

PO2: Graduates attain practical knowledge through hands-on training and project experience to meet the industrial needs.

PO3: Graduates develop critical thinking skills to identify, analyze and solve problems of their core areas using modern tools.

PO4: To enhance arithmetic skills and logical reasoning for better.

PO5: Graduates develop lifelong learning skills with interdisciplinary approach towards sustainable development.

PO6: Ability to communicate effectively the comprehended scientific data and knowledge, write effective reports, design documentation and make effective presentations.

PO7: Apply ethical, moral and social values in personal and professional life leading to highly cultured and civilized society.

PO8: Ability to work effectively as an individual or as a member or Team leader in diverse teams and in multidisciplinary environs.

B.Sc. MPCs(MATHEMATICS,PHYSICS,COMPUTER SCIENCE)

Program Outcomes(POs)

By enrolling into this course students will be able to:

- **Develop critical thinking skills and logical thinking skills for problem solving**
- **Apply cognitive thinking and intensify learning in the three major subjects of their choice with scientific reasoning and analytical skills.**
- **Acquire practical knowledge through hands on training Mathematics, Physics and Computer Science**
- **Learn to design and develop software applications using Programming Languages, Operating Systems, Computer Networks, DBMS concepts etc.**

- **Learn to undertake research in computer science**

B.Sc. (BtMbC)
BIOTECHNOLOGY/MICROBIOLOGY/CHEMISTRY
Program Outcomes(POs)

- **The knowledge that a student gains out of this course are: concepts of Microbiology Genetics, Molecular biology, Cell Biology, Biochemistry, and further, on modern applications like genetic engineering, Plant Biotechnology, Animal Biotechnology, Industrial Biotechnology, Environmental Biotechnology, Bioinformatics, intellectual property rights, and on Entrepreneurship.**
- **With this course, a student will be able to perform a range of in-demand wet-lab techniques required in the Biotech and pharma industries. To mention the techniques are DNA isolation, agarose gel electrophoresis, restriction enzyme digestion of DNA, bacterial transformations, plasmid DNA isolation, PCR, plant tissue culture, protein estimation, protein isolation, characterization of proteins by polyacrylamide gel electrophoresis, analysis of sugars, lipids, and amino acids.**
- **With this course, a student will also be able to use bioinformatics web portals for data mining and analysis, and statistical analysis of data, which are in-demand skills required in all the biotech & pharma industries and in all R&D institutes.**
- **Microbiology is a biological science focusing on the study of microscopic organisms and their structures.**
- **They study about different microscopes and handling bright field microscope.**

- **Microbiology is the study of microscopic organisms: bacteria, viruses, fungi, archea and protozoa.**
- **A microbiologist studies the physiological, biochemical and genetic aspects of microorganisms.**
- **They study the structures, functions and classification of specific group of organisms and also find ways of both exploiting and controlling their activities.**
- **Fields of pure microbiology include bacteriology (bacteria), mycology (fungi), phycology (algae), parasitology (parasites), virology (viruses), immunology (immune system) and nematology (nematodes).**
- **Medical microbiology is the study of disease-causing microorganisms. It identifies ways to prevent, diagnose and treat infections. It also involves review of the immune system and focusing on the body's response to invading microorganisms. The field focuses on the mechanism of infections, characteristics of the infecting microorganisms, to understand the framework of the clinical behaviour of the pathogens.**
- **Applied microbiology explores microbe's ability to make medicines, industrial enzymes and food ingredients. This includes industrial microbiology, in which scientists use microorganisms to develop products. Depending on the product, it further gets divided into food microbiology, dairy microbiology and pharmaceutical microbiology.**
- **To understand the basic facts and concepts in Chemistry**
- **To understand the importance of Chemistry in daily life.**
- **To develop a better understanding and reasoning of facts.**
- **To skill-up for basic analytical tools.**
- **To skill-up for various laboratory techniques used in pharmaceutical**
- **Laboratories and chemical industries.**
- **To make efficient for various spectrometric analyses**

- Attempting to inculcate scientific temper among the students, this programme aims to educate non-science undergraduate students of other Faculties on elementary aspects of chemistry needed in different household activities.
- To understand the concepts and the uses of elements and their compounds in the industrial purpose.

M.Com

Program Outcomes(POs)

Master of commerce is 2 years master degree program, affiliated to Osmania University, Telangana. M.com program prepares the student to understand commerce with research work. To this end strive to realize the following set of program outcomes for all our post graduate M.com students

- 1. Use information to support business processes and practices, such as problem analysis and decision making.**
- 2. Demonstrate knowledge of microeconomic theory as it relates to markets, firms, government policy and resource allocation,**
- 3. Use quantitative and qualitative tools and methodologies to solve business problems and to take advantage of business opportunities.**

- 4. Employ critical thinking skills to analyze financial data as well as the effects of differing financial management.**
- 5. Apply knowledge of corporate tax laws and procedures.**
- 6. Develop viable alternatives and make effective decisions relating to business ethics and social responsibility**

M.Sc. MATHEMATICS
Program Outcomes(POs)

At the end of the course students must be able to

- Develop problem solving skills and practical applications of Topology, Function analysis in different branches of engineering sciences.**
- Demonstrate and apply mathematical methods approaches for financial problems**
- Formulating and analyzing various mathematical and statistical problems**
- Application of above said methods in allied fields.**

- **Application of computational programming to rationalize various problems for better understanding of real time situations.**

M.Sc. ORGANIC CHEMISTRY
Program Outcomes(POs)

- **Understand the application of like UV, NMR, Mass, etc in identification of organic compounds**
- **Understand the mode of action of drugs**
- **Understand the principles behind drug design and synthesis of drugs**
- **Estimation of content of commercial drugs**
- **Interpretation of Spectra by analyzing the spectral data**
- **Perform procedure as per laboratory standards synthesis separation, techniques and reaction monitoring through TLC**

M.Sc. ANALYTICAL CHEMISTRY

Program Outcomes(POs)

On successful completion of the course students will have the ability to:

- Understand the applications of Spectral Methods in identification of Organic & Inorganic compounds.
- Understand and gain knowledge on sampling methods which are primary steps in any analysis
- Understand classical methods like titrimetric & gravimetric analysis
- Understand the working principle of analysis and applications of modern instrumental methods like atomic spectroscopy, diffraction methods, Chromatographic methods, Hyphenated methods, XRF, Electro analytical methods.
- Understand the applications of analytical chemistry.
- Learn the procedures to estimate Industrial analysis, Air & Water pollutants, Clinical & Pharmaceutical analysis, Food & Agriculture.
- Learn the Practical to estimate soil sample analysis, tablets analysis, cement and Oil analysis.
- Learn to estimate water samples.
- Estimate blood sugar, cholesterol, vitamin Tablets, Manganese in steel etc.

- To know the procedures of quality assurance and accreditation.
- Practically understand electro analytical techniques.
- To understand spectral evaluation of different compounds.

M.Sc. STATISTICS

Program Outcomes(POs)

- Support critical thinking for data-driven solution with advanced methodologies
- Empower the students to investigate and solve questions for which answer lies beyond the boundaries of conventional thinking.
- Nurturing the curious minds towards translation and application of statistical knowledge to find solutions to real-world problems.
- Become skilful in statistical computing, data management and statistical software's.
- Acquire a solid foundation in mathematical statistics and learns how it applies into data analysis.
- Develop an understanding and gain experience in applying methodology learned in the class room to real problems in sciences and industry.

- **Statistical skills used in various sectors like Manufacturing sector, Research centres, Banking sector, Market research companies, Insurance companies.**
- **At the end of the course, students build their Career and expected to be proficient in statistics.**

M.Sc. APPLIED STATISTICS **Program Outcomes(POs)**

- **Support critical thinking for data-driven solution with advanced methodologies**
- **Empower the students to investigate and solve questions for which answer lies beyond the boundaries of conventional thinking.**
- **Nurturing the curious minds towards translation and application of statistical knowledge to find solutions to real-world problems.**
- **Become skilful in statistical computing, data management and statistical software's.**
- **Acquire a solid foundation in mathematical statistics and learns how it applies into data analysis.**

- **Develop an understanding and gain experience in applying methodology learned in the class room to real problems in sciences and industry.**
- **Statistical skills used in various sectors like Manufacturing sector, Research centres, Banking sector, Market research companies, Insurance companies.**
- **At the end of the course, students build their Career and expected to be proficient in statistics.**