

## Program Outcome

Name of the program	Program Outcome
B.Sc. Physics Honors	<p>This programme offers adequate scope with regard to higher education as well as career. Higher education after B.Sc. Physics increases the proximity to get in to a high designation job with rewarding compensation packages.</p> <p>The lists of programmes that may be pursued after B.Sc. physics are mentioned below.</p> <p>Physics, Applied physics and Ballistics, Applied Physics, Bio Physics, Engineering physics, Geophysics, Marine Geo Physics, Medical physics, Renewable Energy and other Master level certificate Courses in Physics.</p> <p>Common job types for Physics graduate are: Lab supervisor, researcher, Technician, Teacher, Scientist, consulting Physicist, research associate, Senior Physicist, Assistant Scientist, Radiation Oncologist, and Radiologist etc. and the main employment area are research institute, Laboratories and Institute, Educational institute, Agricultural Research services, Hospitals, power generating companies, aviation Industries, construction Firms, Demolition squads, Pyrotechnics manufactures.</p>
B.Sc. Chemistry Honors	<p>The programme helps the students in improving their diverse skills in various areas such as laboratory skills, numerical and computing skills, ability to approach to the problems both analytically and logically, time management skills, etc.</p> <p>The B.Sc. chemistry graduates have many options for their higher studies. Such as: MSc. Chemistry, N.sc. Analytical Chemistry, M.Sc. Drug Chemistry, M.Sc. organic Pharmaceutical Chemistry, M.Sc. Physical &amp; Materials Chemistry, Career Opportunities after B.Sc. Chemistry.</p> <p>The chemical and pharmaceutical industries, the universities and government laboratories are the three major employers who recruit Chemistry graduates. The entry level jobs in this field usually require at least the bachelor's degree in chemistry.</p>

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Some of the job types for these graduates include Analytical Chemist, Biomedical Chemist, Chemical Engineering associate, Industrial Research scientist, Lab Chemist, Materials Technologist, Production Chemist, Quality controller, R&D, Safety, health and Environment specialist, Teachers in colleges & Universities.

Forensic science department, plastic industries, agrochemical industries etc. Apart from these, they are also required in other field such as oil, gas and power sectors and even in defense services.

### B.Sc. Mathematics Honors

Mathematics is at the Centre of the modern world. All quantitative sciences, including physical and social sciences, are based on it. It provides the theoretical framework for physical science, statistics and data analysis as well as computer science.

Students will study the broad spectrum of pure Mathematics (algebra, calculus, geometry and logic) and the application of these to a number of areas. Key modules like Problem Solving Methods will help students to develop the ability to solve complex mathematical problems and relate theory to practice.

Mathematics degree provides a solid grounding in the methods of modern applied mathematics and brings out the intrinsic beauty of mathematical ideas. The teachers provide students with a supportive environment during their Mathematics degree to allow them to fulfill their potential.

Mathematics prepares students for a diverse range of careers such as actuaries, mathematicians, managers economists, engineers, computer scientists, professors and much more. Advanced skills in mathematics learnt through Graduate Studies, Masters and Ph.D.s are a necessity in many science related careers, particularly for computer science and engineering jobs. The world, as we know it today, is data-driven; thereby rendering those with excellent mathematical skills a highly desired resource.

### B.Sc. Botany Honors

Botany comprises several sub-disciplines that focus on the different aspects of plants, including

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genetics, taxonomy and systematics, cell and molecular biology, plant form and function, pathology, and ecology. Botany is an ideal major if a student is interested in understanding biodiversity and addressing current and future threats to our unique native flora, aquatic ecosystems and the sustainability of agricultural crops.

Career options for Botany Students are with educational institutions, state agencies, and industries. Job opportunities usually depend upon educational training and experience. New positions in botany are expected to increase at an above-average rate through the turn of the century. Growing world population continues to increase the need for better food supplies.

Environmental concerns, such as air, water and soil pollution, will create openings for ecologists in Government and Industry. The search for new drugs and medicines and useful genes for improving crop plants will continue to create a need for botanical explorers.

#### B.Sc. Zoology Honors

Zoology programme leads to numerous career options. This field is concerned with the conservation and management of animal kingdom and a career in it would mean that you are a part of that responsibility. A graduate in Zoology can opt for careers in pharmaceutical companies, fisheries and aquaculture, veterinary hospitals, research, Forensic Science, Microbiology, Wildlife biologists, teaching in colleges and Universities, Pest control companies, Conservation Organizations, Paramedical, Nursing, Curators for museums, Zoo curator, laboratory technicians, aquariums, animal clinics. There are also options like animal breeders, animal trainers, animal and wildlife educators. Channels like National Geographic, Animal Planet, Discovery Channel are in constant need of zoologists for research and documentaries. Zoologists and play of major role as environmentalists to deal with major issues like Global Warming, endangered biodiversity.

#### B.Com. Honors

A Bachelor of Commerce or B.Com degree is a three year undergraduate course and is specially designed to provide students the managerial skills in commerce associated disciplines such as accounting, finance, marketing and advertising amongst others. The degree is basically structured to offer aptitude in organizational

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behavior and business principles by focusing on core subjects such as law, finance, statistics, marketing, accounting, economics, cooperative as well as marketing education.

It also provides a good knowledge in management and cost accounting practices which are significant in decision making processes and in planning as well as evaluating the performance of a company's business activities. Human resource management is an additional option provided in this degree course. It covers essential managerial processes such as selection and recruitment of employees, promotions, employee welfare, talent hunting and application of work-related safety process in a company amongst others.

Students with a B.Com degree are well prepared to be successful in both corporate and self-employment. There are high job prospects for holders of this degree as all companies or businesses need commerce specialists, managers or at the very least an accountant.

#### B.A. Political Science Honors

Political Science is a highly popular course around the globe. Bachelors in Political Science enables students to analyse the fundamental problems in human society such as world peace, economic crisis, globalisation, international trade, and more. A political science Program will help students to better understand how governments operate and interact, the impact of government policies upon economic stability and growth, and how laws affect social and political change.

Politics influences every aspect of our lives and contributes to the wellbeing of a nation, including education, employment, healthcare and housing.

Political science degrees will help develop key skills for a future career, including critical thinking, data analysis, effective communication, mediation skills, and also a deep understanding of legal codes and procedures, and knowledge of significant historic events.

A Bachelor's degree in Political Science can prepare students for a diverse range of job opportunities in public, private, or non-profit sectors. This course is ideal for ambitious students looking to build a career in education, law, etc.

#### B.A. History Honors

Bachelors of Arts (B.A.) in History is a graduate level programme. This course is offered to those

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students who are fascinated with history and would like to learn as well as understand the vast chronicle of human civilization and their response to change of events from time to time. Apart from giving students a very good insight into the past, this subject helps them to explore what is left behind and which elements connect these to the ancient forefathers. Historians have the opportunity to get very good jobs with firms not only in our country but also abroad. Career options for students who have finished their graduation in history are quite high. They can go for advanced studies or get jobs. Those who would like to pursue their studies can go for Master's degree in the same field. History Students can land jobs as Archivists, Information Managers, Records Manager, Journalists and also a few more exciting options that open up after advanced trainings in specialised domains.

#### B.A. Economics Honors

In the present world where market is globalized and digitalized, Economics as a discipline is gaining popularity and has emerged as one of the most sought after subject among students. Economics create a backdrop for building an edifice of knowledge based on real economic situation the world. Hence this subject is closely related with other disciplines especially with the providing in study of Management.

Economics also helps students to develop problem-solving skills and encourages them to become adept in numeracy, IT and the use of statistical methods. There may also be opportunities to foster team-working skills. The awareness of opportunity cost and the ability to interpret statistical evidence are especially important skills developed in the typical Economics Program. Students with an Economics degree have different career options like Economic Journalists, Financial or Investment Analysts, Statisticians, Bankers and Financial Experts and a statistics background is also preferred for jobs using Data Analytics and Big Data in the IT industry.

#### B.A. English Honors

Since time immemorial, literature has been looked upon as one of the best and greatest disciplines. English is one of the most sought after languages in India and abroad. This is the language that connects the East with the West and the North with the South. A Bachelors' degree in English

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Honours is considered to be one of the prestigious and lucrative course options.

There are several other Career options available for students pursuing this course. Professional Writers, Public Relations Experts, Bi-lingual Translators, Mass Communications Specialists, Public Speakers and a whole gamut of other professions that have proficiency of English at its core. English acts as a catalyst in any chosen field of profession.

#### B.A. Hindi Honors

The opportunities have increased manifold for students of this programme with the advent of private TV and Radio channels and the launch of Hindi versions of established magazines / newspapers. In the field of Hindi media, there is a need for Editors, Reporters, Correspondents, Sub Editors, Proof Associate Professors, Radio Jockey, Anchors etc. A Degree/ Diploma in Journalism / Mass Communication along with academic qualification in Hindi is an added advantage for job seekers. One can serve the mediums of Radio / TV / Cinema as a Script Writer / Dialogue Writer / Lyricist. This field necessitates a natural and artistic mastery of creative writing. But a Degree / Diploma in creative writing enhances one's style of writing.

This also includes translation of the works of eminent International writers into Hindi and also those of Hindi writers into English and other foreign languages. There are also opportunities of translation projects from foreign agencies.

#### Masters in Commerce (M.Com.)

Post-Graduation in Commerce (M.Com) adds to the acquired skill set of B.Com graduates and equips them to fetch high paid jobs in the corporate world. M.com degree also gives the students the eligibility to appear for National Eligibility Test (NET) and pursue Ph.D., the basic requisites for starting their careers as Assistant Professors in Colleges and Universities. Post-Graduation in Commerce also opens the path to Research and higher accomplishments in the subject.

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