



## Bhaskaracharya College of Applied Sciences

(University of Delhi), Sec -2, Phase - 1, Dwarka,  
New Delhi -110075

**FAQs** : Frequently Asked Questions (Department wise)

### Department of Biomedical Science

Q1.	<b>What does Biomedical Science as a subject deal with?</b>
Ans.	Biomedical Sciences concerns with the topics to understand the biological principles that govern the functioning of the human body, to discover the mechanisms of any disease and to find new and distinct ways to cure a disease by developing advanced diagnostic tools or new therapeutic strategies.
Q2.	<b>How is Biomedical Science different from Biomedical Engineering or are they similar?</b>
Ans.	Biomedical Science is different from Biomedical Engineering. Biomedical Science is concerned mainly with the facts, theories, and models that describe biological and medical phenomena. Whereas biomedical engineering applies the traditional engineering techniques of mechanical, electrical, and materials in order to solve biological or clinical problems.
Q3.	<b>Which courses can a student pursue after graduating in Biomedical Science?</b>
Ans.	The course is basically designed to prepare students for a career in research. The most logical progression is a Master's program followed by a Ph.D. degree, however, avenues for openings in the industry can be explored by students as well.
Q4.	<b>What are the options available with the students of B. Sc. (Hons.) Biomedical Science for higher studies?</b>
Ans.	Under-graduate degree program in Biomedical Science provides students with an excellent foundation for further graduate studies in fields such as Genetics, Molecular Diagnostics, Cancer Biology, Immunology, Clinical Chemistry, Toxicology, Microbiology, Neuroscience, Public Health etc. Students are encouraged to complete Master's program in a relevant field followed by Ph.D. program.
Q5.	<b>Is there any direct Master's degree program in Biomedical Science for the students having studied undergraduate course in Biomedical Science?</b>
Ans.	Yes, University of Delhi offers dual program in M.Sc.-Ph.D. Biomedical Science Program and a M. Sc. In Biomedical Science but there are no direct seats for the students who have studied B. Sc. (Hons) Biomedical Science. Students have to compete an All-India based Entrance Examination conducted by Dr. B. R. Ambedkar Center for Biomedical Science for getting admission to the master's program. Students after graduating in Biomedical Science are eligible for other master's programmes such as M. Sc. Biotechnology, M. Sc. Microbiology, M. Sc. Genetics, M. Sc. Biochemistry and M. Sc. Life Sciences among others.
Q6.	<b>Can I get job immediately after my graduation in Biomedical Science program?</b>
Ans.	On successful completion of under graduate program in Biomedical Science, graduates will be able to work as technologists in clinical/research laboratories or in the medical diagnostics

## FAQs: Frequently Asked Questions

---

	industry or pursue further studies. Since the course is a research oriented program, we encourage students to undertake higher studies after their graduation. Infact, more than 70% of our students undertake higher studies and are doing very well in their careers
<b>Q7.</b>	<b>Are students exposed to research environment during their under graduate program in Biomedical Science?</b>
<b>Ans.</b>	Research is an important part of Biomedical Science program. Students are encouraged to undertake small hands-on Research Projects during their under graduate studies, which is facilitated by the Star College Scheme of Department of Biotechnology, Government of India. Students are exposed to other co-curricular activities such as New and additional Practicals (apart from their regular syllabi), Lectures from eminent Scientists and various educational trips, all leading to increasing exposure towards research.
<b>Q8.</b>	<b>What are the various prerequisites for admission to the Biomedical Science program?</b>
<b>Ans.</b>	B.Sc. (Hons.) Biomedical Science is an undergraduate program, the duration of which is 3 years. Candidates must have passed 10+2 or any other equivalent examination in Science stream with Physics, Chemistry and Biology/Biotechnology as compulsory subjects to seek admission to the course along with English as a language. Having studied Mathematics in Higher Secondary would be advantageous.
<b>Q9.</b>	<b>Do a student having Mathematics (along with PCB/Bt) in class 12th get any advantage?</b>
<b>Ans.</b>	Yes, Students having PCB/BT with Mathematics (at least 60% marks) will be given an advantage of 3% over and above their PCB/BT aggregate.
<b>Q10.</b>	<b>What other career options are available for the under-graduates in Biomedical Science?</b>
<b>Ans.</b>	Under-graduate programme in Biomedical Science will appeal to those planning a career in biomedical research or related areas as well as graduate-entry careers in industry, management and the public sector. The broad analytical, scientific and personal skills you gain will equip you for a variety of careers. Previous graduates have been employed in science and in non-science sectors including teaching, marketing, accountancy and policy research. A large proportion of our graduates choose further study before entering successful academic or industry-based research careers.
<b>Q11.</b>	<b>How to register for admission to undergraduate course in Biomedical Science in University of Delhi?</b>
<b>Ans.</b>	students may register online for all undergraduate courses through the admission portal URL <a href="http://admission.du.ac.in">http://admission.du.ac.in</a> . and follow the admission procedure.
<b>Q12.</b>	<b>What is the procedure for under-graduate admission? Do I need to fill up the DU application form in offline mode besides registering online for DU 2020 admissions?</b>
<b>Ans.</b>	Delhi University is expected to release its bulletin of information for admission shortly. Candidates are expected to check the contents of University Bulletin for any admission related query. As per the last year information that is available, candidates need not fill any offline form. Candidates should check University portal to understand the complete admission process. University also conducts open days, wherein parents and prospective students can clear their doubts. Information would be available on the website.
<b>Q13.</b>	<b>My result is yet to be declared, can I still submit an online registration form?</b>
<b>Ans.</b>	Yes, candidates can submit online DU application form by choosing the appropriate circle of 'result awaited' under result section, however, they have to fulfil the minimum eligibility

## FAQs: Frequently Asked Questions

	conditions and meet the cut off list of that course/college during the stipulated period.
<b>Q14.</b>	<b>Can I apply for multiple courses in an online form?</b>
<b>Ans.</b>	Yes, candidates can apply for multiple courses for DU admission 2020 through a single online application form of Delhi University.
<b>Q15.</b>	<b>Is it important to have caste or tribe certificate in the name of a candidate?</b>
<b>Ans.</b>	Yes, if the candidate is applying under any reserved category (SC/ST/OBC/PH) then, he/she must upload the scanned copy of Caste/Tribe/PwD certificate. The certificate must be signed by any competent authority and the scanned copy should be self-attested. Moreover, the certificates should be in the name of a candidate. The OBC certificate must also specify that candidates belong to the non-creamy layer (NCL) and caste is listed in the Central Government list and it should be recent (past one year).
<b>Q16.</b>	<b>During the online payment, the amount has been deducted from my account but I am still seeing the status 'pending' on UG admission portal.</b>
<b>Ans.</b>	Sometimes it takes time for the amount to be transferred to the university's account (i.e. realisation of fee payment) hence you need to be patient for the time being. If your payment is not realised for more than two days then you may send an email to technical query mail-desk mentioning all the details of the transaction. Resolution of such type of queries will be taken up after the closing date of an online registration period.

### Department of Botany

<b>Q1.</b>	<b>What is the scope of study Botany?</b>
<b>Ans.</b>	<ul style="list-style-type: none"> <li>• Degree in B.Sc. (Hons.) botany is essential for further higher studies in the field of academics such as M.Sc., M.Phil. and Ph.D. in botany from several institutions in India as well as Abroad by appearing in the entrance exams or by availing the scholarships overseas. The successful completion of this makes candidates eligible for the post of a lecturer in any university/college.</li> <li>• Botany as a science is not only limited to plant sciences but spreads across other zones as well and degree holders can pursue higher studies in other fields such as in <b>Biochemistry, Biotechnology, Bioinformatics, Environmental Sciences, Forestry, Food Science, Forensics, Molecular Biology, Microbiology, Nano-sciences, Pathology, Recombinant DNA technology, Toxicology etc.</b></li> <li>• Aspirants having B.Sc. (Hons.) botany degree have enormous opportunities in the field of <b>Research and Development (R&amp;D), Pharmaceuticals and Chemical industries, Public Health and Environmental Protection Sectors, Clinical Research,</b> etc. B.Sc. (Hons.) botany degree studies provide possible solutions to agricultural, horticulture and environmental problems.</li> <li>• Aspirants having B.Sc. (Hons.) botany degree can go for <b>Indian Forest Services (IFS)</b> by taking an exam which is being conducted by UPSC (Union Public Service Commission).</li> <li>• B.Sc. (Hons.) botany degree holders can also be <b>Patent Agent/Attorney</b>. Indian Patent office conducts the Patent Agent Examination once in every year. The exam is conducted at Delhi, Kolkata, Mumbai, Chennai and Nagpur. The link for the same</li> </ul>

## FAQs: Frequently Asked Questions

	<p>is: <a href="http://www.ipaindia.co.in/patent-course.html">http://www.ipaindia.co.in/patent-course.html</a></p> <ul style="list-style-type: none"> <li>• Passionate B.Sc. (Hons.) botany degree holders can also find jobs such as that of <b>plant taxonomists in herbariums</b> across the globe, which are responsible for classifying and identifying preserved plants and research-based jobs on medicine and food-related plants.</li> <li>• B.Sc. (Hons.) botany degree can find a lot of career opportunities in <b>public-sector</b>. They can join <b>Botanical Survey of India (BSI), National Institute of Oceanography (NIO), Indian Agricultural Research Institute (IARI), Indian Council of Forestry Research and Education (ICFRE)</b> etc. as Project Assistant, Technical Assistant, Field Assistant or Scientific Assistant.</li> <li>• B.Sc. (Hons.) botany degree holders can further pursue their career in <b>Master of Business Administration (MBA)</b>. It is two years post graduate degree course which comes under the management spectrum and apparently job oriented. B.Sc. (Hons.) botany degree holders can go for <b>Bachelors of Education (B.Ed.)</b> who want to make their career in school teaching can eventually be the Principal, Vice principal and Counsellor. Teachers are in demand in both private and government sectors. B.Sc. (Hons.) botany degree holders can <b>startup</b> their own ventures like: setting up hydroponics at home, vertical gardening, organics farming, start their own nursery of medicinal plants/ornamental plants/ oxygen rich plants etc.</li> <li>• These are the employment areas for botany degree holders: Agricultural Research Services, Biotechnology Firms, Botanical Survey, Colleges/Universities, Cosmetic Companies, Eco-botany, Environmental Management, Farm Management Organizations, Fermentation Industries (including Breweries), Floriculture, Food and Herbal Industry, Food Institutes, Plant Genetics, Herbariums etc.</li> <li>• Job types for B.Sc. (Hons.) botany: Agronomist, Arborist, Botanist, Biological Technician, Conservationist, Ecologist, Environment Consultant, Ethno-Botanist, Farming Consultant, Florist, Forester, Forest Ranger, Geneticist, Horticulturist, Molecular Biologist, Mycologist, Scientist</li> </ul>
<b>Q2.</b>	<b>What is the scope of research training during the three years course of botany?</b>
Ans.	Our students do research internship during summer break in association with other reputed and renowned institutions, we also have on-going research projects in our college for Under graduate students.
<b>Q3.</b>	<b>Do you organize educational visit or field visit for the students?</b>
Ans.	Yes, we organize educational visits to several research institutions, industries and biodiversity parks in as well as outside Delhi to keep our students up-to-date.
<b>Q4.</b>	<b>Is the admission fee refundable if one wishes to cancel his/her admission?</b>
Ans.	Yes, the fee is refundable upon cancellation of admission. Refundable is as per University of Delhi guidelines.
<b>Q5.</b>	<b>Does the college have a canteen?</b>

## FAQs: Frequently Asked Questions

Ans.	Yes, the college have a canteen providing hygienic good wholesome food and snacks at very reasonable prices.
Q6.	<b>Does the college have Extracurricular Activities?</b>
Ans.	Our college has several ECA groups where students can take part viz., eco-club society, dance society, music society, sports team, photography team, astronomy team, fashion society, literary team and many more, which will give students a good exposure of many fields.
Q7.	<b>Can I apply for more than one course in same college?</b>
Ans.	Yes, one can apply for different courses in the same college. But, he/she must choose one course to attend during admission.
Q8.	<b>Does the college have a hostel facility?</b>
Ans.	No, the college does not have a hostel facility at the moment
<b>3. Department of Chemistry</b>	
Q1.	<b>What does Chemistry as a subject deal with?</b>
Ans.	Chemistry is the study of matter, its properties, how and why substances combine or separate to form other substances, and how substances interact with energy. Many people think of chemists as being white-coated scientists mixing strange liquids in a laboratory, but the truth is we are all chemists. Understanding basic chemistry concepts is important for almost every profession. Chemistry is part of everything in our lives
Q2.	<b>How is Chemistry (Hons.) different from Chemical Engineering?</b>
Ans.	The big <b>difference</b> between <b>chemistry</b> and <b>chemical engineering</b> has to do with originality and scale. <b>Chemists</b> are more likely to develop novel materials and processes, while <b>chemical engineers</b> are more likely to take <b>these</b> materials and processes and make them larger or more efficient
Q3.	<b>Which courses can a student pursue after graduating in Chemistry?</b>
Ans.	The course is basically designed to prepare students for a career in research. The most logical progression is a Master's program followed by a Ph.D. degree, however, avenues for openings in the industry can be explored by students as well.
Q4	<b>What is the future scope of B.Sc.( Hons.) Chemistry?</b>
Ans.	Graduates from this course will be better prepared to understand the new environment-friendly systems and can understand the processes that the chemical industry is adopting. After doing B.Sc. Chemistry, one can go for <b>M.Sc. in Chemistry</b> or take up various jobs and also take up internships to prepare for industry level entries. Some of the jobs are as follows: <ul style="list-style-type: none"> <li>▪ Analytical Chemist</li> <li>▪ Bio-medical Chemist</li> <li>▪ Chemical Engineering Associate</li> <li>▪ Industrial Research Scientist</li> <li>▪ Lab Chemist</li> <li>▪ Materials Technologist</li> <li>▪ Production Chemist</li> <li>▪ Production Officer</li> <li>▪ Quality Controller</li> <li>▪ R&amp;D Director</li> <li>▪ Research &amp; Development Manager</li> <li>▪ Safety Health and Environment Specialist</li> </ul>

## FAQs: Frequently Asked Questions

<b>Q5.</b>	<b>What are the various prerequisites for admission to the Chemistry (Hons.) program?</b>
Ans.	B.Sc. (Hons.) Chemistry is an undergraduate program, the duration of which is 3 years. Candidates must have passed 10+2 or any other equivalent examination in Science stream with Physics, Chemistry and Mathematics as compulsory subjects to seek admission to the course along with English as a language. Having studied Mathematics in Higher Secondary would be advantageous.
<b>Q6</b>	<b>For science course (B. Sc. (H) Chemistry, what is included in the best of four marks calculation?</b>
Ans.	Admission to B.Sc. (Hons.) courses are given considering the Physics, Chemistry and Mathematics, one language marks.
<b>Q7.</b>	<b>Is there any interview for an M.Sc. in chemistry at Delhi University?</b>
Ans.	As such there's no interview criteria in M. Sc chemistry from du but you have to appear for an entrance exam and if you're from du then you can apply for the merit list too 50%(Academic marks). If you're an outsider just prepare yourself for the entrance examination, no interview is there.
<b>Q8.</b>	<b>How to register for admission to undergraduate course in Chemistry in University of Delhi?</b>
Ans.	A students may register online for all undergraduate courses through the admission portal URL <a href="http://admission.du.ac.in">http://admission.du.ac.in</a> . and follow the admission procedure.
<b>Q9.</b>	<b>What is the procedure for under-graduate admission? Do I need to fill up the DU application form in offline mode besides registering online for DU 2020 admissions?</b>
Ans.	Delhi University is expected to release its bulletin of information for admission shortly. Candidates are expected to check the contents of University Bulletin for any admission related query. As per the last year information that is available, candidates need not fill any offline form. Candidates should check University portal to understand the complete admission process. University also conducts open days, wherein parents and prospective students can clear their doubts. Information would be available on the website
<b>Q10.</b>	<b>My result is yet to be declared, can I still submit an online registration form?</b>
Ans	Yes, candidates can submit online DU application form by choosing the appropriate circle of 'result awaited' under result section, however, they have to fulfil the minimum eligibility conditions and meet the cut off list of that course/college during the stipulated period.
<b>Q11.</b>	<b>Can I apply for multiple courses in an online form?</b>
Ans.	Yes, candidates can apply for multiple courses for DU admission 2020 through a single online application form of Delhi University
<b>Q12.</b>	<b>Is it important to have caste or tribe certificate in the name of a candidate?</b>
Ans.	Yes, if the candidate is applying under any reserved category (SC/ST/OBC/PH) then, he/she must upload the scanned copy of Caste/Tribe/PwD certificate. The certificate must be signed by any competent authority and the scanned copy should be self-attested. Moreover, the certificates should be in the name of a candidate. The OBC certificate must also specify that candidates belong to the non-creamy layer (NCL) and caste is listed in the Central Government list and it should be recent (past one year).
<b>Q13.</b>	<b>During the online payment, the amount has been deducted from my account but I am still seeing the status 'pending' on UG admission portal.</b>
Ans	Sometimes it takes time for the amount to be transferred to the university's account (i.e. realisation of fee payment) hence you need to be patient for the time being. If your payment is not realised for more than two days then you may send an email to technical query mail-

## FAQs: Frequently Asked Questions

	desk mentioning all the details of the transaction. Resolution of such type of queries will be taken up after the closing date of an online registration period.
<b>Q14.</b>	<b>Where are the open days held for DU Admission 2020?</b>
Ans.	Delhi University will conduct Open days for DU 2020 admission between last week of May and the first week of June at Conference Centre, Delhi University, North Campus.
<b>Q15.</b>	<b>Is there a quota for Jammu and Kashmir migrants?</b>
Ans.	The wards of Kashmiri migrants will be registered centrally by the university for admission to various undergraduate courses in different streams. The allotment of seats to the courses/colleges will be made on the basis of preference-cum-merit, not more than three seats in one college, one seat in one stream. One seat in merit quota as an additional seat will be reserved in each technical institute under the Faculty of Technology for admission to BE courses for the academic session.
<b>Q16.</b>	<b>Once DU Cut-offs are declared, will the admission be offered on a first come, first serve basis?</b>
Ans.	Delhi University doesn't offer admission in its colleges on the first come–first serve policy. The DU admissions 2020 are offered only at through merit secured by applicants
<b>Q17.</b>	<b>Can an applicant for an undergraduate Honours Course be considered for admission in the non-Honours Programme in the same college or not?</b>
Ans.	Candidates can apply for all programmes/courses in which he or she intends to apply for admission, however, the admission will be offered only at par merit and upon fulfilment of eligibility conditions and meeting the cutoff marks
<b>Q18.</b>	<b>How can I apply through ECA or Sports Quota?</b>
Ans.	Candidates need to fill an additional online application for DU Admissions 2020 if applying through ECA and Sports quota. For sports, there will be a centralized fitness test in the university. Then for both sports and ECA there will be trials in respective colleges
<b>Q20.</b>	<b>Is a candidate required to be present in person on the day of admission?</b>
Ans.	Yes, the applicant must be present on the day of admission in the college along with the desired documents to get the same verified.
<b>Q21.</b>	<b>Can I take admission in two different/same courses in different colleges after the declaration of a cutoff?</b>
Ans.	No, candidates cannot take admission simultaneously in two different courses or the same courses in different colleges. In case a candidate has taken admission at two places, the admission will be cancelled from both the colleges/courses.
<b>Q22.</b>	<b>I have studied both commerce and accounts in my class XII. Which subject will I have to choose for my 'best of four'?</b>
Ans.	You can choose both the subjects in your 'Best of Four' subjects. Candidates can also find here how to calculate best of four subjects' marks
<b>Q23.</b>	<b>Will there be any disadvantage for gap year candidates?</b>
Ans.	No, there won't be any disadvantage for gap year students; however, they need to upload the necessary documents while applying for DU admission 2020.
<b>Q24.</b>	<b>Once I have taken admission in a particular subject, can I change my subject during the course of study or after completing first year?</b>
Ans.	No, once you are admitted in a particular subject, you can change your subject only before the last date of DU admissions 2020, provided seats are available and you meet the requisite cut off

## FAQs: Frequently Asked Questions

Q25.	<b>Is there any relaxation for women candidates?</b>
Ans.	Varies from college to college. However, the upper limit has been fixed at 3%.
Q26.	<b>Are there special seats for NCC cadets?</b>
Ans.	DU has no special quota for NCC in any of the colleges
Q27.	<b>Does a candidate need to register again using different email-id, if that person makes an error in online registration form?.</b>
Ans.	No, the portal allows you to register only once. However, you can rectify error by logging again into your account through the "Edit" button at the end of each session/page till the online registration portal is open & the fee is not paid

### Department of Computer Science

Q1.	<b>Which subject is a prerequisite for Master's in Computers?</b>
Ans.	Maths.
Q2.	<b>Where they can be placed after graduation?</b>
Ans.	IT sector,Banking,Retail,E marketing etc.
Q3.	<b>Is it necessary for me to have prior computer knowledge?</b>
Ans.	No. But prior computer knowledge helps you to grasp the concepts fast.
Q4.	<b>Is it possible to change/update the information provided by the students in the online application form once the fee is submitted?</b>
Ans.	No,the students can't change/update the information once the fee is submitted.
Q5.	<b>Do college provide hostel accommodation?</b>
Ans.	No

### Department of Electronics

Q1.	<b>Scope of your course?</b>
Ans.	This degree provides comprehensive opportunities to the graduates to explore and attain the zenith of success in research & development, aerospace and defence electronics, design, testing, quality control, and project management. After graduation, students can also pursue higher studies in Electronics or Information technology from University of Delhi, Indian Institute of Technology, Jamia Millia University, Kurukshetra University, Devi Ahilya University, Banasthali Vidyapeeth University, etc. The students are also eligible to pursue MBA and MCA from various esteemed Universities.
Q2.	<b>What is the Minimum Eligibility criteria of the course?</b>
Ans	An aggregate of 55% or more marks in Physics, Mathematics and Chemistry/Computer Science, depending on cutoff. 50% or more marks in English. *Relaxation as per Delhi university norm for reserved category

### Department of Food Technology

Q1.	<b>What are the prospects of this course?</b>
Ans.	After getting the degree, students may have the following opportunities in private and Govt. sectors: <ul style="list-style-type: none"> <li>• Food Technologist</li> <li>• Food Engineer</li> <li>• Food Scientist</li> <li>• Food Product Development scientist</li> <li>• Speciality Food Designer</li> <li>• Food Safety and Quality Assurance Manager</li> </ul>



## FAQs: Frequently Asked Questions

	<ul style="list-style-type: none"> <li>• Regulatory Affairs officer</li> <li>• Food Analyst</li> <li>• Production Manager</li> <li>• Food Safety Officer</li> <li>• Special officers in Nationalized Banks</li> </ul>
<b>Q2.</b>	<b>Is this course similar to Hotel Management and Home Science?</b>
Ans.	No, it's totally different. In this course students learn about the basic science with their technical applications in food processing.
<b>Q3.</b>	<b>In which field can I continue my higher study after completion of this degree?</b>
Ans.	You can go for M.Sc. (Food Technology, Food & Nutrition etc.), MBA (Agriculture, Marketing, Production operation, Retail Chain Management etc.), P.G Diploma in Packaging etc.
<b>Q4.</b>	<b>What is GE (General Elective) paper?</b>
Ans.	Generic elective paper is to be chosen by the student one each in the first four semesters. So, four GE papers are to be studied during the B.Sc. Food Technology degree course. You have to choose any one paper from the other departments e.g. Maths, Chemistry, Microbiology, Polymer Science etc.
<b>Q5.</b>	<b>Which GE paper should I choose for my course i.e. Food Technology?</b>
Ans.	can choose any one of the offered inter-disciplinary courses in the college. It can be chosen according to your interest and in which you wish to enhance your knowledge. Ideally you should opt for a paper that supplements or strengthens your core specialization. Some of the courses that best correlate with Food Technology include Biochemistry, Biomedical Sciences, Polymer Sciences, Instrumentation, Mathematics, Microbiology etc.
<b>Department of Instrumentation</b>	
<b>Q1.</b>	<b>What is Instrumentation?</b>
Ans.	B.Sc.(H) Instrumentation is an interdisciplinary three year undergraduate course offered by University of Delhi. It is considered to be a fusion of Electrical, Electronics and Measurement Science. It primarily focuses on the principles of sensing, acquisition, processing of physical parameters for monitoring and control leading to design of automated instruments and systems. These instruments and systems are used in various fields like biomedical, electronics, electrical, chemical, manufacturing, process, environmental etc. This course, theoretical classroom sessions are supplemented by well-designed laboratory exercises. Besides theory, lab sessions and close interactions with the well qualified faculty, students are encouraged and involved not only in regular presentations, seminars, workshops, interactions with industry/academic experts but also various projects where they can apply the acquired knowledge and hone their skills.
<b>Q2.</b>	<b>What are the essential subjects for admission in this course in Class XII?</b>
Ans.	Physics, Chemistry, Mathematics and one compulsory language are the essential subjects in Class XII for admission in this course.
<b>Q3.</b>	<b>What is the admission eligibility criteria for this course?</b>
Ans.	The overall percentage in Physics, Chemistry and Mathematics should be 55% and one compulsory language should be 50%.
<b>Q4.</b>	<b>Is there any need to have prior knowledge of Biology since I haven't studied biology in</b>

## FAQs: Frequently Asked Questions

	<b>class 12th?</b>
Ans.	No, there is no such prerequisite.
<b>Q5.</b>	<b>What is the scope after doing course in B.Sc.(H) Instrumentation?</b>
Ans.	Instrumentation has a huge demand in various industries like Control and Automation, Robotics, Biomedical, Nuclear, Optical, Analytical, Packaging, Pharmaceutical and all types of process based industries. It is a much sought after course and provides immense opportunities to the students. One can choose to work with firms such as equipment manufacturers, Installation units, maintenance firms, equipment designers etc. You can take up roles as Instrumentation Engineer, Control and Instrumentation Engineer, Technical Consultant. Some of the companies which hire Instrumentation students are ABB, Honeywell, Rockwell Automation, HPCL, GE, Bosch, L&T, Sunpharma, TCEL, Seimens Automation systems etc. Besides this, students can also opt for teaching and government services.
<b>Q6.</b>	<b>What has been the status of placement in the Department?</b>
Ans.	Alumni of our department have been working in many reputed organizations like MI Instruments, Ranbaxy, Aimil Instrumentation Ltd, RF Silicon Technology, Dabur, Philips, Nestle, Cvent, International Institute of Health Management and Research (IIHMR), Jawahar Lal Nehru University (JNU), BSNL. The University and College has also been organizing various placement drives through which many of our students got placement offers from companies like Wipro, TCS, Sunpharma, Infosys, etc.
<b>Q7.</b>	<b>What are the opportunities for higher studies after completing B.Sc.(H) Instrumentation?</b>
Ans.	Students are eligible and can pursue M.Sc. Instrumentation, M.Sc. Electronics, M.Sc. IT, M.Sc. Computer Science, M.Sc. Operational Research, MCA, MBA, etc. after completing the course.
<b>Q8.</b>	<b>What is the difference between Instrumentation and Electronics?</b>
Ans.	Instrumentation is a specialized domain under the ambit of electrical and electronics science. It takes it's aspects from the domain of electrical engineering as well electronics to focus on the core objective of design and configuration of automated systems
<b>Q9.</b>	<b>Is there any other college offering the same course in DU?</b>
Ans.	Yes, there is another college of Delhi University, namely, Shaheed Rajguru College of Applied Sciences for Women, Vasundhra Enclave for girls students only. Ours is the only co-ed college in DU offering this course.
<b>Q10.</b>	<b>Is there any provision of financial assistance to students?</b>
Ans.	Yes, there is a provision. Needy and deserving students can avail the financial assistance through fee concession as per rules of Delhi University.
<b>Q11.</b>	<b>What is Generic Elective (GE) course?</b>
Ans.	One Generic Elective paper is to be chosen by the student in the first four semesters. So, four GE papers are to be studied during the B.Sc. (H) Instrumentation. The Generic Elective has equal credit as that of core paper.
<b>Q12.</b>	<b>What are the advantages of GE course?</b>
Ans.	Advantages of GE course: 1. Exposure to a new discipline/subject. 2. Provides the students with an alternative option for masters. Two GE in other field are

## FAQs: Frequently Asked Questions

	required to pursue PG in that discipline. 3. Prepare them to look for inter-disciplinary research.
<b>Q13.</b>	<b>How can I select GE course?</b>
Ans.	The college offers GE based on merit (previous exam result available) cum preference basis (as per number of seats offered by each department). Based on your interest, you have to choose any one paper, in each semester, floated by all the other departments of the college e.g. Electronics, Maths, Chemistry, Computer Science, Polymer Science etc. Remember this will be semester based and not fixed in all semester.
<b>Q14.</b>	<b>Can I opt for General Elective paper from Computer Science or Electronics?</b>
Ans.	Yes, you can give preference for general elective paper of your choice from any of the other departments offering it in the college e.g. Electronics, Maths, Chemistry, Computer Science, Polymer Science etc.
<b>Q15.</b>	<b>Which universities are offering M.Sc .course in Instrumentation in India?</b>
Ans.	There are several central and state universities offering Masters in Instrumentation. To name a few, University of Pune (M.Sc. Instrumentation), Jamia Hamdard (M.Sc. Bioelectronics & Instrumentation), Devi Ahilya University (M.Sc. Instrumentation), Jiwaji University (M.Sc. Instrumentation & Commercial Methods of Industrial Analysis (MICA), Jadavpur University (M.Sc Instrumentation).
<b>Department of Microbiology</b>	
<b>Q1.</b>	<b>What is the scope of B.Sc. (Hons.) Microbiology?</b>
Ans.	Microbiology has a vast scope, as it contributes greatly to the understanding of life through enhancements and intervention of microorganisms. There is an increase in demand for microbiologists in India and globally. Microbiologists can work in the area of food, pharmacy, agriculture, agrochemistry biotechnology, biorefinery, environment, medicine, pharmacy, dairy industry, clinical research, water industry, agriculture, chemical technology, bioinformatics and nanotechnology. The pandemic of COVID 19 is once again a stark reminder of the fact that it is very important to study this discipline. Graduates of this discipline can use this knowledge to take up research in combating these deadly diseases, develop new technologies, drugs and vaccines and thus help in making our lives better.
<b>Q2.</b>	<b>What are eligibility criteria? Do we have to consider best of four? Do we have to include English while calculating percentage?</b>
Ans.	(a) 55% or more marks in the aggregate of Physics, Chemistry, Biology/BiotechnologyPCB/PCBt) (Practical& Theory together). Passing in one compulsory language i.e. English with 50% marks. (b) No. Best of four subjects are not to be considered. Average marks of three subjects i.e. Physics, Chemistry, and Biology or Biotechnology to be considered. (c) One needs a minimum 50% marks in English. English marks are not to be added to calculate percentage.
<b>Q3.</b>	<b>Can one get job after B.Sc.?</b>
Ans.	Though some students go directly for a job after graduation especially in quality control in food and pharmaceuticals and pathology labs, however, it is advisable to complete post-

## FAQs: Frequently Asked Questions

	graduation in desired field to get better job opportunities.
<b>Q4.</b>	<b>Do students get any research training while pursuing this course?</b>
Ans.	The faculty members of the Department are actively involved in research through various innovation, in-house and extramural projects. The students of the department get basic exposure of research at undergraduate level by getting involved in various projects, workshops, hands-on training etc. The department also conducts workshops on technical writing skills to enhance research aptitude of the student. Students also do internships or summer trainings at various academic and research institutes, companies, hospitals etc.
<b>Q5.</b>	<b>What are the options for higher studies after graduating from this course?</b>
Ans.	After pursuing B.Sc. (Hons.) Microbiology, students can take admission into M.Sc. Microbiology, Biotechnology, Genetics, Plant Molecular Biology, Biomedical Sciences, Environmental Sciences, etc. Some of our students also go directly for integrated Ph.D. programs at reputed institutes like IITs, IISER, RCB etc. Admission to most of these courses is entrance based. Students can also pursue M.Sc. Microbiology from our parent departmental University of Delhi South Campus, where at present 50% seats are based on merit and 50% seats are through entrance exam. For more information check Department website <a href="http://microbio.du.ac.in/">http://microbio.du.ac.in/</a>
<b>Q6.</b>	<b>Can one pursue post graduate degree from foreign university after doing B.Sc. (Hons.) Microbiology?</b>
Ans.	Yes, one can pursue post graduate degree from foreign universities. However, some universities require 16 years of study before applying. Check beforehand the eligibility requirements of the university you wish to apply. Our students have pursued post-graduate degree from universities in UK, USA, Germany, Japan etc
<b>Q7.</b>	<b>What is self-employment /entrepreneurship/start-up opportunity with B.Sc. (Hons.) Microbiology?</b>
Ans.	There are many areas in Microbiology which are applied and have potential for self-employment /entrepreneurship/start-up especially related to Food and Industrial Microbiology. However, one has to have a thorough knowledge of subject and managerial skills with all economics worked out. There are government institutes in the country that give training and support for startups.
<b>Department of Physics</b>	
<b>Q1.</b>	<b>What is the Admission Eligibility Criterion for taking admission in B.Sc. (Hons.) Physics?</b>
Ans.	The overall percentage in the qualifying class 12 examination should be: (a) 60% or more in Physics, Chemistry and Mathematics (PCM) (b) and 50% or more in One compulsory language i.e. English
<b>Q2.</b>	<b>What is the selection basis for taking admission in B.Sc. (Hons.) Physics?</b>
Ans.	Selection will be made on the basis of aggregate of marks in 3 Science Subjects i.e. Physics, Chemistry and Mathematics (PCM) only.
<b>Q3.</b>	<b>How many papers are to be taught in B.Sc. (Hons.)-Physics?</b>
Ans.	In CBCS course scheme, the whole syllabus is divided into 3 parts like There are ➤ 14 core papers, ➤ 8 Elective papers consisting 4 Disciplined Specific Papers (DSE) and 4 Generic Elective (GE)/Interdisciplinary Papers,

## FAQs: Frequently Asked Questions

	<p>➤ Ability Enhancement course consisting of 2 Skill Enhancement Papers (SEC) and 2 Ability Enhancement Compulsory Papers, which will be taught in 3-years span period of B.Sc. (Hons.) Physics.</p>
<b>Q4.</b>	<b>Is there any research component also included in curriculum of B.Sc. (Hons.) Physics?</b>
Ans.	Project work/Dissertation is considered as a special course involving application of knowledge in solving / analyzing /exploring a real life situation / difficult problem. A Project/Dissertation work may be given in lieu of a discipline specific elective paper.
<b>Q5.</b>	<b>What is the main purpose of GE papers?</b>
Ans.	An elective course chosen generally from an unrelated discipline/subject, with an intention to seek exposure is called a Generic Elective. Generic elective (GE) papers are offered for the students, who have interest to learn subjects other than the core subject.
<b>Q6.</b>	<b>Is it compulsory to take GE paper for all the students?</b>
Ans.	Yes, it is compulsory to take GE papers.
<b>Q7.</b>	<b>What are the required GE papers for pursuing M.Sc.(Physics) and other degree courses?</b>
Ans.	The students seeking admission to this course are strongly recommended to study Mathematics and Chemistry subjects (as GE Papers) during the course. This would be of help them while seeking admission to M.Sc. and other degree courses.
<b>Q8</b>	<b>How the internal assessment is calculated in Theory?</b>
Ans.	Internal assessment is an integral part of each paper to assess the performance of a student on a regular basis. These are based upon the performance of the student in written tests, written assignments and attendance.
<b>Q9.</b>	<b>Can a student who does graduation in Physics take MCA/MBA entrance?</b>
Ans.	Yes.
<b>Q10.</b>	<b>What are the job opportunities after B.Sc (Hons.) in physics?</b>
Ans.	<p>A graduate student in B.Sc. (Hons.) Physics, is eligible for taking competitive exams for civil services, Railways, Banking sector, Insurance sector, SSC etc.</p> <p>A student can also get the opportunity in the teaching like TGT after further doing teacher training course (B.Ed).</p> <p>A Student can go for higher studies. In India, many prestigious institutes like IITs, NITs, IISERs, TIFR etc offer M.Sc. and integrated Ph.D in Physics. Many research labs in India like DRDO, ISRO, BARC, NPL, NAL, ARIES, PRL offer job opportunity as a scientist to those who have done M.Sc. or PhD in Physics. A post graduate student becomes eligible for the post of Assistant Professor in various universities and institutes after clearing NET .</p>
<b>Department of Polymer Sciences</b>	
<b>Q1.</b>	<b>What is the scope of B.Sc. (Hons.) Polymer Science?</b>
Ans.	The course material of polymer science provides understandings of theoretical as well as experimental studies and enables students to get placement in Indian and multinational organizations. Students also learn about handling, maintenance and troubleshooting of different analytical equipment such as Injection molding, Two-roll mill, extruder,

## FAQs: Frequently Asked Questions

	compression molding, TGA, FTIR spectrophotometer, UV-Vis spectrophotometer, Universal Testing machine, Rheometer, MFI etc
<b>Q2.</b>	<b>What is the scope of placements for students of this course?</b>
<b>Ans.</b>	<p>Employment opportunities for polymer science students exists in the Industries/Organizations</p> <ul style="list-style-type: none"> <li>✓ Polymer manufacturing (IOCL, GAIL, Reliance, etc.)</li> <li>✓ Polymer processing (Supreme, Moser Baer, Havels, etc.)</li> <li>✓ Mold and Die designing (Hivec, Rhino, Solid Works, etc.)</li> <li>✓ Fibre Technology (Aditya Birla, Arvind Mills, Vardhman Textiles)</li> <li>✓ Rubber Technology (Bridgestone, MRF, JK Tyre, etc.)</li> <li>✓ Paints &amp; Coatings &amp; Adhesives (Berger, Asian, Dupont, Pidilite etc.)</li> <li>✓ Polymer waste management (Banyan Nation, Jet Polymer Recycling etc.)</li> <li>✓ R&amp;D ( DRDO, IOCL, etc)</li> </ul> <p>In addition to the industrial placements, a large number of students go for higher studies in reputed institutes like IITs, IISc, CIPET, Abroad (Germany, France etc.), IIP, etc.</p>
<b>Q3.</b>	<b>What is the scope of GE subjects chosen by students?</b>
<b>Ans.</b>	Students of polymer science choose Mathematics, Physics, as their GE subjects which are helpful for their Masters & GATE
<b>Q4.</b>	<b>What are the options of summer training available for students of this course ?</b>
<b>Ans.</b>	Students get opportunities of summer training in industry and R&D organizations . Several in house projects are also being carried out for students.
<b>Q5.</b>	<b>What are the other activities students during the course of study ?</b>
<b>Ans.</b>	Industrial visits are organized by the department to enhance practical knowledge of students beyond textbooks. Students participate conferences, symposium, seminars & workshops. Lectures of eminent speakers are also being organized time to time for the benefit of students. Students also participate in extracurricular activities by joining clubs such as Dance club Music club, Litrary club, Yoga Club, NSS etc
<b>Department of Zoology</b>	
<b>Q1.</b>	<b>What is the scope after studying Zoology in under-graduation?</b>
<b>Ans.</b>	A graduate of Zoology has plethora of future opportunities to pursue. After completing this

## FAQs: Frequently Asked Questions

---

	<p>course, the students can either opt for higher studies, teaching, research or jobs in various public and private sectors. In higher studies, students can enroll in masters program of Zoology as well as any specialized biological course such as Biotechnology, Biochemistry, Bioinformatics, Genetics, Molecular biology, Cancer biology, Neurobiology, Immunology, Reproductive biology, Entomology, Environmental science, Anthropology, etc. These specialized fields of Zoology have a huge scope in research as well as teaching. If interested, they can pursue Ph.D in these fields after attaining Masters degree and contribute significantly in research and teaching. Other than academic fields, a Zoology graduate can directly apply for jobs related to their field in various public and private sectors, such as Pharmaceutical companies, Forensics, Pathological and Diagnostic laboratories, Government and NGO organizations related to Wildlife management and Conservation, Animal husbandry and shelters, Zoological Survey of India, etc. Students can also opt for the prestigious Indian Forest Services or all State Forest Services, and having a graduation degree in Zoology will provide them with added advantage while applying for these services</p>
<b>Q2.</b>	<b>How to select Generic Elective papers?</b>
<b>Ans.</b>	<p>Generic elective papers are offered to the students in semester I, II, III and IV. The GE papers being offered by various departments of the college are floated on the college website. Students are expected to provide their choices of GE papers in a preferential order via their admission form (for semester I) or via online form (for semester II, III and IV). Please note that the student should select GE papers from other courses, and not from his/her own course. Taking future scope of studying zoology into consideration, students of B.Sc. (H) Zoology are hereby advised to study at least one GE paper of Botany and Chemistry each, during their undergraduate course.</p>