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Prospectus 2022
PROFESSIONAL COURSES

SRI GURU TEG BAHADUR KHALSA COLLEGE SRI ANANDPUR SAHIB

An Autonomous College



NAAC Accredited 'A' Grade

"College with Potential For Excellence" Status by UGC

DBT "Star Status"

DST-FIST Scheme, GOI

Unnat Bharat Abhiyan, GOI





College Shabad

ਦੇਹ ਸ਼ਿਵਾ ਬਰ ਮੋਹਿ ਇਹੈ
 ਸੁਭ ਕਰਮਨ ਤੇ ਕਬਹੂੰ ਨ ਟਰੇਂ॥
 ਨ ਡਰੇਂ ਅਰਿ ਸੇ ਜਬ ਜਾਇ ਲਰੇਂ
 ਨਿਸਚੈ ਕਰ ਅਪਨੀ ਜੀਤ ਕਰੇਂ॥
 ਅਰ ਸਿਖ ਹੋਂ ਆਪਨੇ ਹੀ ਮਨ ਕੋ
 ਇਹ ਲਾਲਚ ਹਉ ਗੁਨ ਤਉ ਓਚਰੇਂ॥
 ਜਬ ਆਵ ਕੀ ਅਉਧ ਨਿਦਾਨ ਬਨੈ
 ਅਤ ਹੀ ਰਨ ਮੈ ਤਬ ਜੂਝ ਮਰੇਂ॥

Grant me this boon O God
 May I never refrain from the righteous acts;
 May I fight without fear all foes in life's battles
 With confident courage claiming the victory;
 May thy glory be ingrained in my mind
 and my highest ambition be singing thy praises;
 When this mortal life comes to end
 May I die fighting with limitless courage...

Our Patron



Advocate S. Harjinder Singh Dhami

President

Shiromani Gurudwara Parbandhak Committee, Sri Amritsar

College Governing Body



Dr. Daljit Singh Cheema

Honorary Secretary, Governing Body
S.G.T.B. Khalsa College, Sri Anandpur Sahib



Principal Surinder Singh

Junior Vice-President, S.G.P.C. &
Member, College Governing Body



Bhai Amarjit Singh Chawla

Member, S.G.P.C. &
Member, College Governing Body

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Principal's Message



Dear Students,

Sri Guru Teg Bahadur Khalsa College, Sri Anandpur Sahib, is a distinguished place to study and has been moving forward each year as a multi-faculty institute of higher education. The status of Autonomous College is another milestone in its glorious journey. The college offers a wide variety of undergraduate and postgraduate courses, and keeps on adding new courses in accordance with the pulse of time. The students can choose from various streams like Physical and Life Sciences, Humanities, Commerce, Computer Science and Agriculture. The campus is equipped with state-of-the-art labs, instruments, professional software and more.

Higher education can transform a person's life. A well-trained student can be the harbinger of social, economic and ethical change. We, at this college strive to provide quality education by equipping our students with skills, confidence and a positive approach so that their education is holistic and relevant to a globalized context. The purpose is to help students cultivate their talents and ensure all round development of their personality.

We have very efficient and highly qualified teaching faculty. Each one of them plays the role of facilitator as well as role model to our students.

I want to assure the parents that the needs and problems of our students are our prime concern. Our priorities include giving safe and congenial atmosphere in which each student may grow intellectually to become spiritually strong and morally upright. Students should go through the prospectus thoroughly and become aware of all the requirements for making their academic journey smooth and highly profitable.

Welcome to all of you in the academic session 2022-23 and best wishes for your bright future.

Dr. Jasvir Singh
Principal

VISION

*May I never refrain
from righteous deeds.*

The mission of Sri Guru Teg Bahadur Khalsa College, Sri Anandpur Sahib, is to achieve the ultimate goal of education, i.e. emancipation of mind, in order to promote it as an institution of excellence by providing the rural youth with educational opportunities enriched with upright moral and ethical values along with the latest technology-based knowledge so that students are well-fitted in the present-day volatile global scenario.



OBJECTIVES



1. To provide students with the market relevant, need specific and latest academic programmes so as to enhance their professional competence.
2. To create an academic environment that is conducive to develop the best of skills for pursuing knowledge so that the students evolve as capable global citizens.
3. To provide the best of educational resources and essential infrastructure in order to convert them into confident and employable youth.
4. To involve students in such activities, services and experiences which foster personal growth by inculcating ethical and human values in them.
5. Above all, to create value based knowledge-society.



The Institution

Sri Guru Teg Bahadur Khalsa College, Sri Anandpur Sahib, is committed to deliver quality education in undergraduate and postgraduate streams of Commerce, Science, Management, Computer Applications, Agriculture and other professional courses by providing ample opportunities for exploring the potential of every student. It is one of the leading educational institutions affiliated to Punjabi University, Patiala. It was established in July, 1968 by certain visionaries and benevolent individuals, prominent among them being Sant Mohinder Singh, Harkhowal Wale. Since then it has been spreading the light of knowledge while being a source of purposeful education for the entire belt covering Punjab and the neighbouring states of Haryana and Himachal Pradesh. Named after the ninth Sikh Guru, the college seeks to give contemporary relevance to the Prophet's message of righteous living and selfless service to humanity.

Our approach is student centered and goes beyond textbooks and classrooms. Special emphasis is laid on sports, co-curricular activities and social service. This is the only college of the area which offers Post-Graduation in all the three languages mainly used in the state besides post-graduation in Commerce, Maths and Basic Sciences. All our efforts are made by the faculty to make the duration of each course a fruitful and memorable teaching-learning experience for the students.

The college enjoys the patronage of the prestigious Shiromani Gurudwara Prabandhak Committee, Sri Amritsar. Under its management the college has made tremendous progress in virtually every sphere. The college takes pride in the far-sighted leadership and able guidance of Advocate S. Harjinder Singh Dhami Ji, the honourable president of S.G.P.C.

The Institute offers very secure, serene and pleasant environment. It has well maintained and eco-friendly modern campus having plenty of well preserved green belt. To facilitate the students from the neighbouring areas, the college has its own transport facility and hostel for girls in addition to other latest infrastructure.

The college has its own Community Radio Station available at 90.8 MHz. Programmes of educational and religious interest are aired through it. It also serves as a medium to interact with the community of the adjoining areas about socially relevant issues.

The college has been functioning as an Autonomous College since the session 2019-20. Autonomous status provides us with greater flexibility towards academic development and more opportunities for the upliftment of academic standards and excellence. The college can redesign new courses and restructure the already existing ones to make them more locally relevant and globally competent. Autonomy reflects efforts for excellence, capability of self-governance and enhancement in academic standards.

This autonomy is actually the result of our consistent past efforts and has come in the wake of an 'A' grade in NAAC Reaccreditation, 'College with Potential for Excellence' status and 'Star Status' of DBT, GOI and Unnat Bharat Abhiyan, GOI. The college has another prestigious scheme to its credit : DST-FIST. Recently Bhabha Atomic Research Center (BARC) has initiated a national project for determining seismic activities of the area. For this a solar powered Radon Geo-station has been developed and installed on the college premises.



National Accreditation and Assessment Council



Awarded by UGC

Our Focused Efforts

“Quality is never an accident. It is always the result of a commitment to excellence, intelligent planning and focused effort.”

TEACHING PEDAGOGY

- ✓ Diagnostic Tests
- ✓ Guest Lectures
- ✓ Case Studies
- ✓ Seminars
- ✓ Presentations
- ✓ Assignments
- ✓ Group Projects
- ✓ Industrial Visits
- ✓ Summer Training
- ✓ Workshops
- ✓ Educational Tours



SUPPORT SERVICES

- Remedial Classes
- Scholarships
- Redressal Cells
- Advanced Labs
- Coaching for Competitive Exams
- Smart Classrooms
- Canteen
- Botanical Garden
- Herbarium
- Gen-set



PLACEMENT CELL

A Placement Cell has been established in the college with the objective to make students employable. The main thrust of the cell is to prepare students for interviews and get them placed in reputed companies. The cell arranges extension lectures and workshops to make students aware of current trends and demands of the market.

ACHIEVEMENTS

The college has consistently good results due to hardworking and diligent students. In academics, students of our college hold University positions & Gold Medals. As for cultural and co-curricular activities, our students win prestigious positions in youth festival at zonal and inter-zonal levels. In the field of sports, the performance of students is also remarkable. They win medals and hold University positions. In NSS & NCC performance of students is also worth mentioning.

Courses Offered

Postgraduate Degree Programmes

M.Sc. Mathematics
M.Sc. Information Technology
M.Sc. Information Technology(Lateral Entry)
M.Sc. Physics
M.Sc. Chemistry
M.Sc. Botany
M.Sc. Zoology
M.Sc. Artificial Intelligence and Data Science
M.A. English
M.A. Punjabi
M.A. Hindi
M.A. History
M.A. Political Science
M.A. Economics
M.Com.

Add on Certificate Courses

Certificate Course in Spoken English
Certificate Course in Web Designing

Courses to be started from 2022-23

B.Voc. (Sustainable Agriculture)
B.Voc. (Industrial Microbiology)
M.Sc. Geography
M.A. Music Vocal
P.G. Diploma in Yoga
Add on Certificate Course in Virology

Undergraduate Degree Programmes

B.Sc. Medical
B.Sc. Non-Medical
B.Sc. (Honours) Agriculture
B.Sc. (Honours) Physics
B.Sc. (Honours) Chemistry
B.Sc. (Honours) Mathematics
B.Sc. Honours in A.I. & D.S.
B.Voc. Software Development
B.Voc. Food Processing
B.Voc. Retail Management
B.Voc. Hospitality & Tourism
B.Voc. Pharmaceutical Chemistry
B.Com.
B.Com Honours
B.Com. Accounting & Finance
B.B.A.
B.C.A.
B.A. Honours School in English
B.A. (with a choice of 19 elective subjects)

PG & UG Diploma Programmes

P.G.D.C.A.
Diploma in Computer Application
Diploma in Computer Hardware and Networking

Value Added Courses

Basics of Fundamental Rights & Duties
Basics of Computer in Punjabi
Learning Corporate Skills
MS-Office (Word, PowerPoint & Excel)

Instructions for Admission

1. Admission to all the courses in the college is given strictly on the basis of merit and as per the rules / instructions of Punjabi University, Patiala / Punjab Govt. / College Management / UGC, New Delhi.
2. Principal has the right to cancel/refuse admission to any student without giving any reason.
3. **Each candidate must submit the completed admission form online at college website (www.sgtbcollege.org.in). The form will be considered complete only after the online payment of college fees/dues.**
4. The following students will be required to submit their original **Migration Certificate in the college office**:
 - a) Those, who have passed their 10+2 from HP Board of School Education / Haryana Board of School Education or any other Board, except Punjab School Education Board.
 - b) The students who have not done their graduation/last degree from Punjabi University, Patiala.
However, Migration Certificate can be submitted within one month of admission.
5. The Reservation of seats will be as per the rules of Punjabi University, Patiala/Government of Punjab /UGC.
6. Candidates belonging to the following category shall be allowed relaxation of 5% in the aggregate percentage:
 - a) Scheduled Castes and Scheduled Tribes
 - b) Physically Handicapped, provided that they produce a medical certificate that they have at least 40% physical disability.
7. Admission obtained on the basis of wrong information or fake documents or any concealment of facts can lead to cancellation of admission from the college and the deposited fees etc. will be forfeited.
8. The candidate who has been placed under re-appear/compartament in one subject only with at least 20% marks (Theory and Practical taken together) in the +2 examination conducted by Punjab School Education Board or any other Board/Institution recognized by the State / Central Board of Education in India shall be eligible to seek admission to the 1st semester of B.A. / B.Sc. / B.Com. / B.B.A. / B.C.A. / B.Sc.(Honours) / B.Voc./Diploma Course/Certificate Course. The admission will be subject to the availability of the seats in the concerned course in the College.
9. The candidate who appeared under semester system for undergraduate courses should be allowed to take admission under semester system in M.A./M.Sc./M.Com./PGDCA if he/she has two re-appears in 1st to VIth semesters, provided he/she must have passed the subject in under-graduate course in which he/she seeks admission in post-graduate course. The admission will be subject to the availability of the seats in the concerned course in the College.
10. The students, who have been placed under re-appear/compartament in +2, provisional admission shall be given in the 1st year of the course. However, the student must clear his/her re-appear exam before the declaration of the result of 1st year of the course. If he/she could not submit the relevant papers/documents on or before the date of declaration of result then his/her admission will be automatically cancelled
11. Admission to III semester of undergraduate and postgraduate courses will be given to those students who have cleared 50% of the papers of I and II semesters of their course taken together. Similarly, admission to V and VII semesters will be given to those students who have cleared 50% of the total papers of their previous IV and previous VI semesters respectively.
12. As per Punjab Government rule, a student can opt for 'Mudra Gyan' in lieu of Punjabi compulsory subject to the fulfilment of the following conditions;
 - a) Those students who have passed the Matriculation/10+2 Examination from outside the state of Punjab and have not opted Punjabi as a subject.
 - b) Wards of Defence Personnel/Para Military Personnel.
 - c) Children of NRI and foreign students.
13. After admission, a student will be allowed to change subject/faculty within 15 days from the date of commencement of classes on a prescribed proforma depending upon the availability of seat.
14. As per the instructions of the Academic Council of the college, all the students will have to clear the following qualifying papers:
 1. **Arts and Science Courses :**
 - Part-I, Semester-I** Drug Abuse : Problem, Management and Prevention
 - Part-I, Semester-II** Environmental and Road Safety Awareness
 2. **Commerce Courses :**
 - Part-I, Semester-I** Environmental & Road Safety Awareness
 - Part-I, Semester-II** Drug Abuse : Problem, Management and PreventionThe papers of reappear in Environmental & Road Safety Awareness and Drug Abuse: Problem, Management and Prevention will be conducted by the college, during the same semester exams (semester-I & semester-II respectively).
15. The meritorious and eligible students in any course are entitled to get scholarship from State Government/Central Government / DST / NGO / Society / College or any other organization.

16. Regular attendance shall be compulsory during the first week of the session. Absentees will lose their seats and the Fee & Funds paid by them shall be forfeited. Such vacant seats shall be offered to the next candidate in the order of merit.

13. In case of discontinuing studies, an affidavit has to be provided ensuring the payment of balance fee and funds for entire period of the course before discontinuing studies /leaving college without completing the course or before migration.

14. Application for refunding security will have to be submitted before 31st December of the year in which a student leaves the college. Applications submitted after the said date will not be entertained.

15. Fee will be refunded as per the UGC Notification.

Following are the Rules of Fee Refund:

%age of Re-fund of Fees*	Point of time when notice of withdrawal of admission is received in the HEI
100%	15 days or more before the formally notified last date of admission.
90%	Less than 15 days or less before the formally notified last date of admission.
80%	15 days or less after the formally notified last date of admission.
50%	30 days or less, but more than 15 days after the formally notified last date of admission.
00%	More than 30 days after formally notified last date of admission.

16. For PG programmes the percentage distribution of internal assessment (15%) for attendance would be awarded according to the student's attendance as follows:

91-100% attendance	100%
85-90% attendance	75%
80-85% attendance	50%
75-80% attendance	25%
Below 75%	Zero

17. For UG programmes the percentage distribution of Internal Assessment (20%) for attendance would be awarded according to the student's attendance as follows:

91-100% attendance	100%
85-90% attendance	80%
80-85% attendance	60%
75-80% attendance	40%
Below 75%	Zero

Examination Rules

- (i) All the examinations of the Degree Courses and Post-graduate Degree courses will be conducted in semester pattern. For evaluation purpose, Internal Assessment and End Semester exams will be the criteria.
- (ii) A student will be allowed to appear in the End Semester Examination only in those subjects which he/she has mentioned in Examination Form.
- (iii) Where a subject comprises of two or more theory and practical papers in undergraduate and postgraduate course and a candidate fails in their aggregate but taking each paper separately obtains the minimum pass marks in one or more of the main examination, he/she shall be required to reappear only in those theory and practical paper(s) in which he/she has failed to obtain the minimum pass marks.
- (iv) The Supplementary examination will be held along with the routine odd/even Semesters examination. The supplementary paper would be from current syllabi prescribed for that semester in which the candidate is appearing. The student can appear only in the theory/ practical paper on the payment of the required fee. The candidate will have two consecutive attempts to clear the Supplementary Examination. In case of reappear in theory, marks of practical & internal assessment will be carried forward as original. In case of reappear in practical, marks of theory & internal assessment will be carried forward as original.
- (v) The project report or practical file shall be evaluated by the external or internal examiners. The topic for the Project Report will be approved by the concerned Department.
- (vi) Viva- voce/Practical examination shall be conducted by a committee consisting of
 - a) One external examiner
 - b) One internal examiner (to be nominated by the Principal of the College).
- (vii) The Principal can provide Golden Chance (with special chance fee) to students who have been unable to clear their exams even after two attempts of reappear examination
- (viii) The Arts and Humanities stream students can opt at the maximum two practical subjects from various choices given to them.
- (ix) All the students are required to take Class Tests, Mid-Semester Tests and submit assignments as per the requirements of their syllabi and rules of the college. Any student who is absent from such tests will be fined Rs.100/- per paper/assignment. Students who do not appear in Mid-Semester examination may be given a chance to appear in special test after depositing Rs 500/- as special Test Fee. No other chance will be

given after the Special Test. Roll numbers will not be issued to the defaulters.

- (x) A candidate is required to secure at least specified marks i.e. 35% in all UG and PG courses, and 40% in B.Sc./B.A. (Honours) in external examination (Theory and Practical/ Project work) and internal assessment separately for each paper in order to pass the examination.

UNFAIR MEANS / MISCONDUCT / MALPRACTICES:

- a) Bringing in or being in impersonation or possession of any document, paper, book photocopy, or any other material including electronic devices such as cell phones, digital diary, programmable calculator, pen scanner, Bluetooth equipment etc. other than those permitted by the College, in the examination hall, or at any time during the examination.
- b) The presence of special marks or any other attempt to disclose identity in any way or writing on the question paper; or any other paper found in the possession of the candidate.
- c) If a candidate leaves the examination hall without delivering the answer book to supervisor concerned or takes it away with him or intentionally tears it off or disposes of his/her answer book or any part thereof inside or outside the examination hall, he/she shall be disqualified in appearing in any College examination. In addition, the case will be reported to the police.
- d) Using abusive or obscene language or behaving in a disorderly or unruly manner or using physical violence, in or around the examination hall.
- e) Using any means to communicate or attempting to influence the examiners, or officers of the examination, directly or indirectly with requests, threat, appeal or undue influence upon them for favour in the examination.
- f) Creating disturbance in the examination hall or in its vicinity.
- g) In case of carrying a fire-arm to the examination hall, a criminal case will be registered against that person.
- h) Any staff related to examination process if found involved in any examination discrepancies shall be taken seriously and appropriate action will be taken after appropriate inquiry.

IMPROVEMENT EXAMINATIONS:

- (i) A student who has been declared 'pass' in the undergraduate course he/she may apply for improvement examination within two years from the declaration of the result of the final semester and he/she can take full papers of course for improvement.
- (ii) A student shall have to appear only once in odd (1st, 3rd and 5th) semester together and once in even (2nd, 4th and 6th) semester examination of the papers chosen for improvement from current syllabus along with other regular students.
- (iii) If a student fails to improve upon the original marks

obtained in the paper chosen for improvement, his/her original marks shall be retained and he/she shall not get a second chance for improvement.

- (iv) Improvement examination in practical/internal paper shall not be allowed.

- (v) A student taking improvement examination shall have to pay a fee decided by the College.

RULES FOR RE-EVALUATION OF ANSWER-BOOK(S):

- (i) If any examinee/student is not satisfied with the marks obtained in any theory paper, he/she may apply for re-evaluation of his/her answer-books within fifteen days from the date of uploading of the result on College website by depositing non-refundable fee as prescribed by the College from time to time. This re-evaluation facility shall be permitted only for theory papers of all the examinations conducted by the College for the respective current semester only. No re-evaluation shall be permissible in case of practical, viva voce examination, field work, dissertation, seminars and sessional / periodical tests etc.
- (ii) In case a candidate does not submit his/her original marks sheet along with the application form for re-evaluation, his/her application shall stand rejected. A candidate who is declared eligible for Supplementary examination as a result of re-evaluation shall be permitted to appear at the usual Supplementary Examination.

2.1. VIEWING COPY OF ANSWER BOOK:

- (i) Copy of evaluated/revaluated answer book(s) can be viewed by candidate by applying for the same on the prescribed application form only.
- (ii) Application for viewing copy of the answer book(s) of one or more papers can be submitted along with prescribed non-refundable fee.
- (iii) If candidate after viewing the copy of his/her answer book(s) points out any discrepancy/ totalling error or unmarked question these will be reported to controller examination. However, scrutiny/re-evaluation of the answer book(s) shall be done only according to the existing rules of the College.
- (iv) No complaint against the examiner regarding the assessment of the answer book shall be entertained.

DEGREE REQUIREMENT:

- (i) The result of all the examinations will be declared through the College website.
- (ii) A student who earns total specified credits according to the ordinance of that course and fulfils such other conditions as may be mentioned in the curriculum of the programme shall be issued the DMC and shall be awarded degree by Punjabi University, Patiala, provided all College dues are cleared. Moreover, there should be no case of indiscipline pending against him/her.
- (iii) College medal will be awarded to a candidate who secures first position in the College on the basis of the

marks of all the semesters taken together. The general rules and conditions of the College for the Award of medal/prizes etc. will be applicable in the award of College medal to the topper of the examination and will be subject to following conditions:

- a) A medal will be awarded only to a student standing first with overall A+ Grade in all semesters and subjects.
 - b) No medal shall be conferred in a course having number of students less than 10.
 - c) No medal will be awarded on the basis of such Diploma/Certificate course which has duration less than one year.
 - d) Only such candidates who fulfil other allied conditions and pass examination, without gap, with no reappear in the first scheduled attempt of the same academic calendar year shall be entitled to the award of medal.
- (iv) The grace marks shall be allowed according to the rules and regulations of 'Award of Grace Marks'. The award of Grace Marks is subject to the following conditions;
- a) Up to 1% of the total Marks of Part-I, Part-II and Part-III examination for UG courses of three year degree; or Part-I, Part-II, Part-III and Part-IV examination for UG courses of four year degree shall be added to the secured aggregate to award a higher division, to a candidate.
 - b) Up to 1% of the total Marks of Part-I and Part-II examination for PG courses shall be added to the aggregate of Part-I and Part-II examinations to award a higher division; or 55% so that the student become eligible for various entrance exams.
 - c) Grace marks to be given shall be calculated on the basis of 1% of total aggregate marks of all the written and practical papers of the examination concerned. Marks for viva voce / internal assessment/sessional work /any additional /optional subject shall not be taken into account for this purpose.
 - d) Grace Marks to the extent of 1% of the aggregate marks prescribed for an examination (to be raised to the next whole number) will be awarded to a student in the failed subject(s) provided the student passes the examination by the award of such Grace Marks.

GENERAL RULES AND REGULATIONS:

1. Any change or amendment in the academic regulations or syllabi at any time can be done by the Principal in anticipation of approval by Academic Council and the changes or amendments made shall be applicable to all the students with effect from the dates notified by the College.
2. The date of commencement of classes of different courses will be notified separately.

3. Before a student is admitted to the College, he/she and his/her parents/guardian has to sign an undertaking in the proper form to the effect that the student will abide by the rules and regulations of the College and will conform to such standard of discipline as will be determined by the Principal.
4. Any change in the home address/postal address must be intimated to the College office in writing.
5. Students of Odd/Even Semester (Except 1st Semester) will be required to register with the College and deposit fee at the commencement of the session during the dates notified. After the notified dates, the fee will be accepted only with the stipulated fine.
6. The fee for the College bus service will be taken at the time of admission for one academic session.

ATTENDANCE REGULATIONS & CONDONATION OF LECTURES:

- A student must have 75% of attendance to be eligible to appear for End Semester Examinations
- The 'Condonation Committee' constituted by the Principal can condone the shortage in aggregate up to 15% on medical grounds or for any other appropriate reason.
- Any student representing the Institute/ University/ State/ Nation in any Academic/ Sports/ Cultural/Extra Co-curricular/NSS/NCC or any other event shall be considered on duty. His/Her shortage of lectures shall be condoned provided that the student is permitted in writing by the Principal.
- Student whose shortage of attendance is not condoned in any paper/semester will not be eligible to take their End Semester Examination of that particular semester and their registration for examination shall stand cancelled and no fee shall be refunded.

AWARD OF RANK:

1. **Roll of Honour :** Roll of Honour will be awarded only once to a student during his/her course of study in the College.
 - 1.1 **Roll of Honour in Academics :** Roll of Honour in Academics shall be awarded to:
 1. Any student who secures 1st position with distinction in the merit list of the College.
 2. Any student who secures 1st /2nd /3rd position in an academic event sponsored/organized by Ministry of Human Resource Development.
 3. Any student eligible for Roll of Honour in Academics is also eligible for College Color.
 - 1.2 **Roll of Honour in Sports:** Roll of Honour in Sports shall be awarded to:
 1. Any player who secures 1st /2nd /3rd position in any sports event at Interuniversity level.
 2. Any player who secures 1st /2nd /3rd position in any sports event at state level.

1.3 Roll of Honour in Co-curricular Activities : Roll of Honour in Co-curricular Activities shall be awarded to:

1. Any student who secures 1st /2nd /3rd position in any Co-curricular event at National/ State/Interuniversity level.
2. Any student who secures 1st position in any Co-curricular event at University level.
3. Any student who participates in Co-curricular events at National/International level.

2. College Color :

2.1 College Color in Academics : College Color in Academics shall be awarded to:

1. Any student who secures 1st /2nd /3rd position with 1st division in the merit list of the College

2.2 College Color in Sports: College Color in Sports shall be awarded to:

1. Any player representing the College/ university/ State at Interuniversity/ State level Tournaments.
2. Any player who has been declared Winner or Runners up in Individual event/Athletics at the University/ State level.
3. Any player who has been awarded as Best athlete (Boys/girls) in the Annual athletic meet of the College.

2.3 College Color in Co-curricular Activities: College Color in Co-curricular Activities shall be awarded to:

1. Any student who secures 1st /2nd /3rd position in any Co-curricular event at University level.
2. Any student who secures 1st position in any event at Zonal Youth Festival.

2.4 College Color in NSS/NCC : College Color in NSS/NCC shall be awarded to:

1. Best Volunteer of NSS/Red Cross
2. Any student who passes 'C' certificate in NCC.

Code of Conduct

1. Students should be punctual in attending classes and college functions.
2. Drinking, smoking and use of drugs are strictly prohibited in the college campus.
3. Any student who is found absent from the class without prior permission will be imposed a fine of Rs. 10/- per period and Rs. 50/- for the whole day. **Names of the students who continuously remain absent for three days or remain irregular for five days without prior permission will be struck off from the college rolls.**
4. Students are not allowed to use mobile phones in the classrooms, labs, library and college corridors. Any kind of misuse of mobile phones during college time will incur a fine of Rs. 250/- for the first time and lead to confiscation of the phone subsequently. **The college administration will not be responsible for any issues related to mobile phones (Theft, Cyberbullying, Cyberstalking or any victimisation) due to Cyber misconduct.**
5. It is the duty of every student to help maintain clean

environment and safeguard the college property. Any damage to the college property will not be forgiven under any circumstances and fine will be charged according to the damage caused.

6. The principal will have the right to cancel admission of any student on disciplinary grounds. A student will be punished, suspended or rusticated from the college, if he/she directly or indirectly takes part or induces others to do so in any movement or agitation in the college for any reason, whatsoever, which in the opinion of the Principal is subversive of the college discipline.
7. The following acts are liable to invoke disciplinary measures:
 - a) Lack of courtesy and decorum, indecent behaviour and dress anywhere within the campus.
 - b) Wilful damage or defacement of College property.
 - c) Mutilation or unauthorized possession of library books.
 - d) Hacking in computer systems (such as entering into other person's areas without prior permission, manipulation and/or damage of computer hardware and software or any other cyber-crime etc.)
 - e) Prohibited websites are not allowed to open on any mobile and computer with Wi-Fi network of the College.
 - f) Misuse of cell phones in the campus.
 - g) Any other act of gross indiscipline as decided by the Academic Council from time to time.
 - h) Use of Cell phones in class rooms and corridors.
8. Sharing of incorrect/objectionable information about the College and College management on social media is liable to invoke disciplinary and legal action.
9. Students are not allowed to bring outsiders to the college, except their parents and authorised guardians.
10. Mentoring system has been introduced in the College for developing close contact amongst the students and teachers for timely guidance and advice in academic and other matters.
11. Grievance and Redressal Committee constituted by the Principal shall deal with all grievances pertaining to the academic / administrative / disciplinary matters. All the grievances/complaints/suggestions addressed to the Principal can be put in the suggestion boxes provided in the campus. The student can also approach Dean Students and register her/his complaint or grievance.
12. Sexual Harassment Committee constituted by the Principal shall deal with all grievances related to sexual harassment in the College campus. The action would be taken according to POSCO Act, 2012.
13. PTA meetings are held twice a year: **In the first week of the September and the last week of April.** Parents/Guardians are advised to attend Parents-Teacher meetings regularly to get the information of attendance and performance of their wards.
14. **Ragging in any form, in the campus or college hostel, is strictly prohibited. It is cognizable offence as per**

the directions of the Hon'ble Supreme Court. Students will have to follow the instructions of the U.G.C. as conveyed vide Letter No. F.1-21/2009 (Anti-Ragging) dated March, 2012. Detailed instructions are available on www.ugc.ac.in.

15. Self-attested affidavits regarding anti-ragging will be submitted by the students and their parents (on prescribed proforma) at the time of admission.
16. A Student cannot take up a job or join any other institution during the course of his/her study in this college. If found guilty on this account, his/her admission will be cancelled without any refund.
17. Students are required to wear their Smart Cards during the college hours.
18. Students may volunteer for NSS/ NCC / other societies and clubs as per rules of the institution.
19. Students are advised to regularly check College website- www.sgtbcollege.ac.in and Punjabi University website - www.punjabiuniversity.ac.in - to apprise themselves of any change in syllabi, examination date sheets etc.
20. If any student wants to leave early, he/she should submit an application to the concerned head of the department.

Leave Rules

1. Students must apply for leave on prescribed proforma before they actually remain absent from the College.
2. For seeking leave on medical grounds where it is not possible to obtain leave in advance, an application for grant of leave should be sent by post/e-mail or submitted immediately after returning to the College. No Whatsapp and text messages will be considered.
3. Long absence from the classes due to illness should be supported by medical certificate from a qualified Doctor (at least MBBS).

Note: Only those students will be entitled to join college tours and excursions who fulfil the condition of 75% attendance.



Library Rules

1. A student cannot enter the college and library without the identity card.
2. Every student of all UG professional courses can get four books and others can get three books issued at a time for 28 days and students of PG courses can get six books issued at a time for 28 days.
3. Students will have to pay a fine of Rs. 2/- per day per book if not returned within 28 days.
4. Magazines/Reference books/Dictionaries/Encyclopedias cannot be issued and can be used only in the library.
5. Librarian has the right to demand the books back in case of urgency.
6. Spoiled or lost books have to be replaced.
7. If any book is required by another student, the same book will not be reissued to the earlier student.
8. The internet in the library is to be used only for searching study material. Misuse of internet is strictly prohibited.
9. One book will be renewed once only.
10. A book available in single copy or a costly book will not be issued to the students.
11. **Book-Bank facility is available for the needy and meritorious students of the college.**
12. Students are required to return all the library books at the end of the academic session before obtaining the 'No Dues' certificate from the college office.
13. Students must obey all other general rules of the library. Indiscipline in the library will not be tolerated and strict action will be taken against the defaulters.

Dress Code

1. Students are required to come to the college in proper formal dress.
2. For Sikh students, the wearing of turban is compulsory. Wearing of patkas in the college is considered as an act of indiscipline.
3. Wearing of caps and goggles is not permitted.
4. During winter, students of professional courses will wear blazers provided by the college on the stated days:

For all classes - Monday and Thursday

Other than these days, blazers will be compulsory for all organised activities, industrial visits, seminars, presentations, guest lectures, viva voce/practical examinations, college functions and any other occasion prescribed by the college authorities.

5. Lab coats are compulsory for the students of chemistry, agriculture and medical stream.

B.Sc. Honours in Agriculture

B.Sc. Agriculture is the acronym for Bachelor of Science in agriculture. The lack of specialization and modern techniques brought the need and desire to upgrade the agriculture system and bring more awareness and better infrastructure to boost agriculture profession in India. The course structure of B.Sc. Agriculture is designed to help students understand the methodology of agriculture, the environment, marketing skills etc. The basic purpose of this course is to inspire the rural youth to be professional, innovative and scientific in the field of agriculture.

Programme of Study

Duration 8 Semesters (4 Years) Total Seats 80
Eligibility 10+2 (Above 50%) in science stream only.

SEMESTER-I

- | | |
|---------------|---|
| 1. HORT-111 | Fundamentals of Horticulture |
| 2. SOILS-111 | Fundamentals of Soil Science |
| 3. FORST-111 | Introduction to Forestry |
| 4. AGRON-111 | Fundamentals of Agronomy |
| 5. MATH-111A | Elementary Mathematics |
| 6. BIO-111B | Introductory Biology |
| 7. MICRO-111 | Agricultural Microbiology |
| 8. EXT-111 | Rural Sociology and Educational Psychology |
| 9. EXT-112 | Fundamentals of Agricultural Extension |
| 11. ENG-111 | Comprehension Skills in English |
| 12. BHP-111 A | Punjabi Compulsory |
| BHP-111 B | Punjabi Compulsory (Mudla Gyan) |
| 13. SAE-1.1 | Drug Abuse Problem, Management and Prevention |

SEMESTER-II

- | | |
|----------------|--|
| 1. PBG-121 | Fundamentals of Genetics |
| 2. BOT-121 | Fundamentals of Crop Physiology |
| 3. AE-121 | Soil and Water Conservation and Engineering |
| 4. ECON-121 | Fundamentals of Agricultural Economics |
| 5. PLPATH-121 | Fundamentals of Plant Pathology |
| 6. ENT-121 | Fundamentals of Entomology |
| 7. ENG-122 | Communication Skills and Personality Development |
| 8. BIOTECH-121 | Fundamentals of Plant Biotechnology and Biochemistry |
| 9. BHP-122 A | Punjabi Compulsory |
| BHP-122 B | Punjabi Compulsory (Mudla Gyan) |
| 10.SAE-1.2 | Environment and Road Safety |
| 11. EXT-123 | Agricultural Heritage** |

**Non-credit hour

SEMESTER-IV

- | | |
|------------------------|---|
| 1. AGRON-222 | Crop Production Technology-II (<i>Rabi Crops</i>) |
| 2. HORT-222 | Production Technology for Ornamental Crops, MAP and Landscaping |
| 3. HORT-223 | Production Technology for Fruit and Plantation Crops |
| 4. AE-222 | Renewable Energy and Green Technology |
| 5. SOILS-221 | Problematic Soils and their Management |
| 6. ENT-221 | Pests of Crops and Stored Grains and their Management |
| 7. PBG-222 | Principles of Seed Technology |
| 8. AGRON-223 | Farming System and Sustainable Agriculture |
| 9. ECON-222 | Agricultural Marketing Trade and Prices |
| 10. Elective Courses-I | |
| 10.1 ABM-221 | Agri-business Management |
| 10.2 AGRON-224 | Weed Management |
| 10.3 FST-221 | Food Safety and Standards |

SEMESTER-III

- | | |
|--------------|--|
| 1. AGRON-211 | Crop Production Technology-I (<i>Kharif Crops</i>) |
| 2. PBG-211 | Fundamentals of Plant Breeding |
| 3. ECON-211 | Agricultural Finance and Cooperation |
| 4. AGINF-211 | Agro-informatics |
| 5. AE-211 | Farm Machinery and Power |
| 6. HORT-211 | Production Technology for Vegetable and Spices |
| 7. STAT-211 | Statistical Methods |
| 8. LPM-211 | Livestock and Poultry Management |
| 9. EXT-211 | Human Values and Ethics* |

*Non-credit hour

Note 1 : The syllabi of 1st and 2nd year are according to 5th Dean Committee.

SEMESTER-V

1. PLPATH-311 Principles of Integrated Pest and Disease Management
2. SOILS-311 Manures, Fertilizers and Soil Fertility Management
3. HORT-311 Production Technology for Fruit and Plantation Crops
4. PLPATH-312 Diseases of Field and Horticulture Crops and their Management-I
5. PBG-311 Crop Improvement-I (*Kharif Crops*)
6. ABM-311 Entrepreneurship Development and Business Communication
7. FST-311 Principles of Food Science and Nutrition
8. AGRON-311 Practical Crop Production-I(*Kharif Crops*)
9. PBG-312 Intellectual Property Rights
- 10. (Elective-II) (Any One Option)**
 - 10.1 HORT-312 Protected Cultivation
 - 10.2 AGRON-312 Agrochemicals
 - 10.3 EXT-311 Agricultural Journalism

SEMESTER-VII

1. PATH-401 Mushroom Cultivation
2. ENTO-401 Apiculture, Sericulture, Pisciculture and Lac Culture
3. ABM-401 Agri-Business Management

CHOOSE ANY ONE OF THE FOLLOWING

4. OPTION-I Agronomy

- 4.1 AGRON-401 Principles and Practices of Weed Management
- 4.2 AGRON-402 Farming System and Sustainable Agriculture
- 4.3 AGRON-403 Rainfed Farming and Watershed Management
- 4.4 AGRON-404 Modern Concepts in Crop Production
- 4.5 AGRON-405 Principles and Practices of Water Management

5. OPTION-II : Horticulture

- 5.1 HORT-401 Nursery Management of Horticultural Crops
- 5.2 HORT-402 Commercial Fruit Production
- 5.3 HORT-403 Commercial Vegetable Production
- 5.4 HORT-404 Commercial Floriculture and Landscape Architecture
- 5.5 HORT-405 Seed Production of Horticultural Crops

6. OPTION-III : Genetics and Plant Breeding

- 6.1 GPB-401 Principles of Cytogenetics
- 6.2 GPB-402 Plant Genetic Resources and Crop Evolution
- 6.3 GPB-403 Heterosis Breeding
- 6.4 GPB-404 Mutagenesis and Mutation Breeding
- 6.5 GPB-405 Biotechnology for Crop Improvement

SEMESTER-VI

1. AGRON-323 Rainfed Agriculture and Watershed Management
2. AE-321 Protected Cultivation and Secondary Agriculture
3. PLPATH-323 Diseases of Field and Horticultural Crops and their Management-II
4. HORT-323 Post-harvest Management and Value Addition of Fruits and Vegetables
5. ENT-321 Management of Beneficial Insects
6. PBG-323 Crop Improvement-II (*Rabi crops*)
7. AGRON-324 Practical Crop Production II (*Rabi crops*)
8. AGRON-325 Principles of Organic Farming
9. ECON-321 Farm Management, Production and Resource Economics

10. (Elective-III)

- 10.1 BIOTECH-321* Micro Propagation Techniques
- 10.2 HORT-324 Landscaping
- 10.3 MICRO-321 Biopesticides and Biofertilizers
- 10.4 PBG-324* Commercial Plant Breeding

SEMESTER-VIII

1. EXT-401 Extension Methodologies and Communication Skills for Technology Transfer
2. AGRI-401 Protected Cultivation and Secondary Agriculture
3. PDC-401 Personality Development and Communication Skills

CHOOSE ANY ONE OF THE FOLLOWING

4. Option-I: Agronomy

- 4.1 AGRON-406 Fertilizer Use in Crop Production
- 4.2 AGRON-407 Cropping System
- 4.3 AGRON-408 Water Management and Micro Irrigation

5. Option-II: Horticulture

- 5.1 HORT-406 Post Harvest Management of Horticulture Crops
- 5.2 HORT-407 Tissue Culture and Micropropagation Techniques-I Horticulture
- 5.3 HORT-408 Breeding of Horticultural crops

6. Option-III : Genetics and Plant Breeding

- 6.1 GPB-406 Breeding for Biotic and Abiotic Stress Resistance
- 6.2 GPB-407 IPR, Biodiversity and Biosafety
- 6.3 GPB-408 Population and Biometrical Genetics

Master of Science in Physics M.Sc. Physics

Physicists are problem solvers. Physicists design computer games, monitor the environment, invent life-saving medical equipment, work in automobile industry, financial markets, and shape futuristic buildings and structures. Master's Degree in Physics opens vast avenues for the students. The department has well-equipped laboratories and a rich library with an excellent collection of books on physics to serve the needs of the students.

Programme of Study

SEMESTER-I

- PH-1.1.1 Mathematical Methods of Physics-I
- PH-1.1.2 Classical Mechanics
- PH-1.1.3 Classical Electrodynamics
- PH-1.1.4 Quantum Mechanics
- PH-1.1.5 Elective Paper (any one)
 - (I) Electronics-I
 - (ii) Remote Sensing
 - (iii) Microwave and its propagation
- PH-1.1.6 Laboratory Practice
 - (i) Electronics Lab
 - (ii) Laser & Optics Lab

SEMESTER-III

- PH-2.1.1 Condensed Matter Physics -I
- PH-2.1.2 Nuclear Physics
- PH-2.1.3 Atomic and Molecular Spectroscopy
- PH-2.1.4 Elective Paper (any one)
 - (i) Laser & Fiber Optics
 - (ii) Material Science
 - (iii) Computational Meth. & Simulation
- PH-2.1.5 Laboratory Practice
 - (i) Nuclear Physics & Counter Elec.

Lab.

- (ii) Condensed Matter Physics Lab.
- Computer Lab

PH-2.1.6

SEMESTER-II

- PH-1.2.1 Mathematical Methods of Physics-II
- PH-1.2.2 Adv. Class. Mech. & Electrodynamics
- PH-1.2.3 Advanced Quantum Mechanics
- PH-1.2.4 Statistical Mechanics
- PH-1.2.5 Elective Paper (any one)
 - (I) Electronics-II
 - (ii) Physics of Electronic devices
 - (iii) Sci. and Tech. of Solar Hydrogen
- PH-1.2.6 Laboratory Practice
 - (i) Electronics Lab
 - (ii) Laser & Optics Lab

SEMESTER-IV

- PH-2.2.1 Condensed Matter Physics -II
- PH-2.2.2 Nuclear & Particle Physics
- PH-2.2.3 Elective Paper (any two)
 - (i) Radiation Physics
 - (ii) Advanced Electronics
 - (iii) Theoretical Nuclear Physics
 - (iv) Experimental Techniques in Physics
- PH-2.2.4 Laboratory Practice
 - (I) Nuclear Physics & Coun. Elec. Lab.
 - (ii) Condensed Matter Physics Lab
- PH-2.2.5 Computer Lab
- PH-2.2.6



Bachelor of Science in Physics - Honours

B.Sc. Physics-Hons

Physics is a human attempt to discover certain laws of nature and to study their functioning and consequences. What drives a physicist is the curiosity about nature and the fact that the answers to the various questions lie together in a beautiful pattern. It is also a fact that these attempts to understand the laws of nature have led to technological advances, and in turn these technological advances have provided physicist with new tools for understanding nature. The advantage of pursuing Physics (Hons) is that it is logical and principle-based and involves mathematical applications. Here, there is no scope for rote learning and students can do well in higher studies and the areas of IT, banking and other applied fields such as Nuclear Physics and Nanotechnology.

Duration : 6 Semesters (3 Years)
Total Seats : 40

Programme of Study

SEMESTER-I

PHY-1.1.1	Mathematical Physics-I
PHY-1.1.1P	Mathematical Physics-I Practical
PHY-1.1.2	Mechanics
PHY-1.1.2P	Mechanics Practical
PHY-1.1.3 A/B/C	A: Chemistry-I B: Programming using C++ C: Basic Mathematics
PHY-1.1.3P A/B	A: Chemistry-I Practical B: Software-I Practical
PHY-1.1.4	English Communications Skills
PHY-1.1.5A/B	Punjabi Compulsory / Punjabi Mudhla Gyan
PHY-1.1.6	Drug Abuse: Management and Prevention

SEMESTER-III

PHY-2.1.1	Mathematical Physics-II
PHY-2.1.1P	Mathematical Physics-II Practical
PHY-2.1.2	Thermal Physics
PHY-2.1.2P	Thermal Physics Practical
PHY-2.1.3	Analog Systems & Applications
PHY-2.1.3P	Analog Systems & Applications Practical
PHY-2.1.4	Radiation Safety
PHY-2.1.5 A/B/C	A: Chemistry-I B: Programming using C++ C: Basic Mathematics
PHY-2.1.5P A/B	A: Chemistry-I Practical B: Software-I Practical

SEMESTER-V

PHY-3.1.1	Nuclear Physics
PHY-3.1.1P	Nuclear Physics Practical
PHY-3.1.2	Solid State Physics
PHY-3.1.2P	Solid State Physics Practical
PHY-3.1.3	Medical Physics
PHY-3.1.4	Classical Dynamics

SEMESTER-II

PHY-1.2.1	Electricity and Magnetism
PHY-1.2.1P	Electricity and Magnetism Practical
PHY-1.2.2	Waves and Optics
PHY-1.2.2P	Waves and Optics Practical
PHY-1.2.3 A/B/C	A: Chemistry-II B: Web Development using PHP C: Differential Equations
PHY-1.2.3.P A/B	A: Chemistry-II Practical B: Software-II Practical
PHY-1.2.4	English Communications Skills
PHY-1.2.5 A/B	Punjabi Compulsory / Punjabi Mudhla Gyan
PHY-1.2.6	Environment & Road Safety Awareness

SEMESTER-IV

PHY-2.2.1	Quantum Mechanics
PHY-2.2.1P	Quantum Mechanics Practical
PHY-2.2.2	Spectroscopy
PHY-2.2.2P	Spectroscopy Practical
PHY-2.2.3	Digital Systems and Applications
PHY-2.2.3P	Digital Systems and Applications Practical
PHY-2.2.4	Applied Optics
PHY-2.2.5 A/B/C	A: Chemistry-II B: Web Development using PHP C: Differential Equations
PHY-2.2.5P A/B	A: Chemistry-II Practical B: Software-II Practical

SEMESTER-VI

PHY-3.2.1	Electromagnetic Theory
PHY-3.2.1P	Electromagnetic Theory Practical
PHY-3.2.2	Statistical Mechanics
PHY-3.2.3	Laser Physics
PHY-3.2.3P	Laser Physics Practical
PHY-3.2.4	Particle Physics & Accelerators

"The country which is in advance of the rest of the world in Chemistry will also be foremost in wealth and in general prosperity ."
- William Ramsay

Master of Science in Chemistry

M.Sc.-Chemistry

The main objective of M.Sc. Chemistry is to build a scientific temper among the students so as to develop a high learning aptitude, competency in research skills and cultivate a generation of confident and skilled chemists. M.Sc. Chemistry offers a wide variety of career options, ranging from traditional areas such as pharmaceuticals, chemical analysis and synthesis, quality control and quality assurance, to inter-disciplinary fields such as molecular biology, materials science and non-traditional areas such as medicine, patent or environmental law, forensic science and environmental studies, etc.

Programme of Study

SEMESTER-I

- MC101 Inorganic Chemistry-I
- MC102 Organic Chemistry-I
- MC103 Physical Chemistry-I
- MC104 (A) Mathematics for Chemist OR
- MC104 (B) Biology for Chemist
- MC105 Inorganic Chemistry Practical
- MC106 Analytical Chemistry Practical

SEMESTER-III Choose any one of the following:

Option - I : Inorganic Chemistry

- MC301 Analytical Chemistry
- MC311 Ligand Field Theory
- MC312 Reaction Mechanism of Transition Metal Complexes
- MC313 Inorganic Spectroscopy - I
- MC314 Inorganic Chemistry Practical - I
- MC315 Inorganic Chemistry Practical - II

Option - II : Organic Chemistry

- MC301 Analytical Chemistry
- MC321 Applications of Organic Molecular Spectroscopy
- MC322 Chemistry of Natural Products
- MC323 Organic Synthesis
- MC324 Organic Chemistry Practical - I
- MC325 Organic Chemistry Practical - II

Option - III : Physical Chemistry

- MC301 Analytical Chemistry
- MC331 Fundamental of Spectroscopy
- MC332 Statistical Thermodynamics
- MC333 Fundamentals and Atmospheric Photochemistry
- MC334 Instrumental Physical Chemistry Practical - I
- MC335 Physical Chemistry Practical - I

Duration : 4 Semesters (2 Years)

Total Seats : 60

Eligibility: Graduation with Chemistry as one of the subjects

SEMESTER-II

- MC201 Inorganic Chemistry-II
- MC202 Organic Chemistry-II
- MC203 Physical Chemistry-II
- MC204 Computer for Chemist
- MC205 Organic Chemistry Practical
- MC206 Physical Chemistry Practical

SEMESTER-IV

Option - I : Inorganic Chemistry

- MC401 Environmental Chemistry
- MC411 Chemistry of Organometallic Compounds
- MC412 Advanced Topics in Inorganic Chemistry
- MC413 Inorganic Spectroscopy - II
- MC414 Inorganic Chemistry Practical - I
- MC415 Inorganic Chemistry Practical - II

Option - II : Organic Chemistry

- MC401 Environmental Chemistry
- MC421 Photochemistry and Pericyclic Reactions
- MC422 Modern Synthetic Reactions and Rearrangements

Option - III : Physical Chemistry

- MC423 Heterocyclic Chemistry
- MC424 Organic Chemistry Practical - I
- MC425 Organic Chemistry Practical - II

Option - III : Physical Chemistry

- MC401 Environmental Chemistry
- MC431 X-Ray Diffraction and other Techniques
- MC432 Biophysical Chemistry and Advanced Spectroscopy
- MC433 Polymers and Surface Chemistry
- MC434 Instrumental Physical Chemistry Practical - II
- MC435 Physical Chemistry Practical - II

Bachelor of Science in Chemistry - Honours

B.Sc. Chemistry-Hons

Chemistry is an essential science which provides the connection between molecular concepts and the complex systems found in nature. The curriculum of graduation in Chemistry Honours at our college is structured to stress upon the understanding of the chemical principles as well as the experimental basis of science. We are devoted to build a strong foundation for the graduate extending hands-on-training in our well equipped laboratories that will help in building up a cutting-edge academic or professional career in the applied areas of chemistry like computational chemistry, nanochemistry, nuclear , textile and medicinal chemistry.

Programme of Study

Duration : 6 Semesters (3 Years) **Total Seats: 40**
Eligibility: As per Punjabi University norms.

SEMESTER-I

BHC-101	Inorganic Chemistry-I
BHC-102	Physical Chemistry-I
BHC-103- B/C/D*	Generic Elective : Computer / Math / Physics
BHC-104 A/B	Punjabi Compulsory / Mudla Gyan
BHC-105	English Communication Skills
BHC-106	Drug Abuse: Problem, Management & Prevention
BHC-101(P)	Inorganic Chemistry Practical-I
BHC-102(P)	Physical Chemistry Practical-I
BHC-103(P)	
B/D*	Computer / Physics

SEMESTER-III

BHC-301	Inorganic Chemistry-II
BHC-302	Organic Chemistry-II
BHC-303	Physical Chemistry-III
BHC-304	Pharmaceutical Chemistry
BHC-305	
B/C/D*	Generic Elective : Computer / Mathematics / Physics
BHC-301(P)	Inorganic Chemistry Practical-II
BHC-302(P)	Organic Chemistry Practical-II
BHC-303(P)	Physical Chemistry Practical-III
BHC-305(P)	
B/D*	Computer Applications / Physics Practical-I

SEMESTER-V

BHC-501	Organic Chemistry-IV
BHC-502	Physical Chemistry V
BHC-503	Computer Applications
BHC-504	Research methodology for chemistry
BHC-501(P)	Organic Chemistry Practical-IV
BHC-502(P)	Physical Chemistry Practical-V
BHC-503(P)	Computer Application Practical

SEMESTER-II

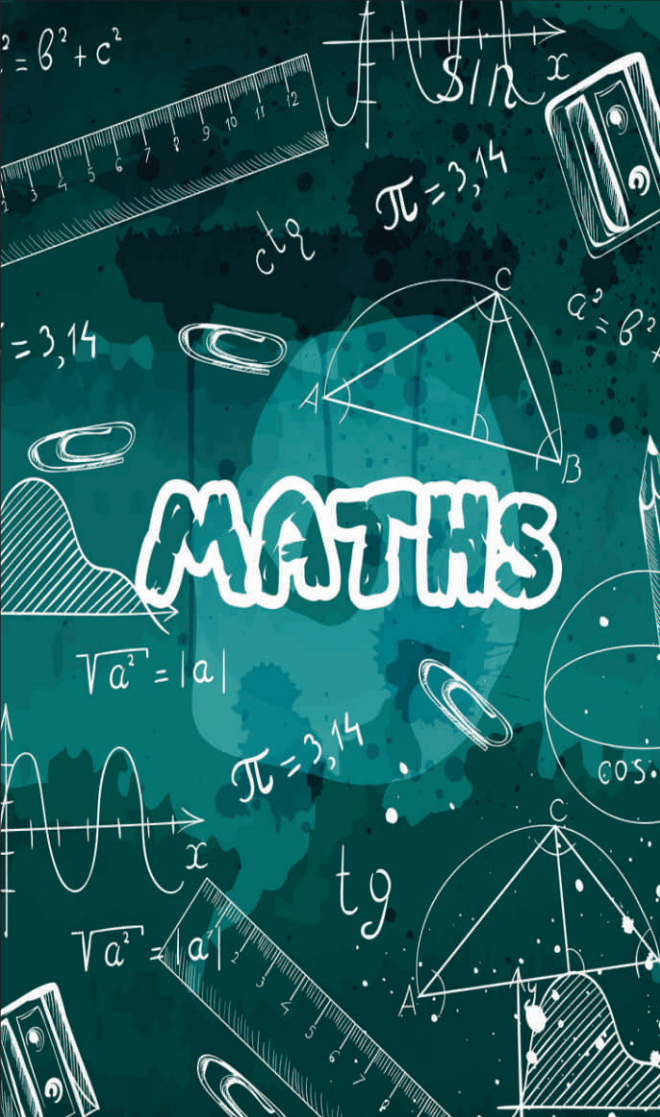
BHC-201	Organic Chemistry-I
BHC-202	Physical Chemistry-II
BHC-203	
B/C/D*	Generic Elective : Computer / Math / Physics
BHC-204 A/B	Punjabi Compulsory /Mudla Gyan
BHC-205	English Communication Skills
BHC-206	Environmental and Road Safety Awareness
BHC-201(P)	Organic Chemistry Practical-I
BHC-202(P)	Physical Chemistry Practical-II
BHC-203(P)	
B/D*	Computer/Physics

SEMESTER-IV

BHC-401	Inorganic Chemistry-III
BHC-402	Organic Chemistry-III
BHC-403	Physical Chemistry-IV
BHC-404	Chemistry of Cosmetics & Perfumes
BHC-405	
B/C/D*	Computer/Mathematics /Physics
BHC-401(P)	Inorganic Chemistry Practical-III
BHC-402(P)	Organic Chemistry Practical-III
BHC-403(P)	Physical Chemistry Practical-IV
BHC-405(P)	
B/D*	Computer Applications/Physics Practical

SEMESTER-VI

BHC-601	Inorganic Chemistry-IV
BHC-602	Organic Chemistry-V
BHC-603	Analytical Methods in Chemistry
BHC-604	Inorganic Materials of Industrial Importance
BHC-601(P)	Inorganic Chemistry Practical-IV
BHC-602(P)	Organic Chemistry Practical-V
BHC-604(P)	Inorganic Materials of Instrumental Importance Practical



Master of Science in Mathematics

M.Sc.-Mathematics

The realm of mathematicians is vast and spreads over various domains like: Investments, Banks, Insurance Companies, Financial Institutes, Engineering Consultancies, Medical Research and Computing.

The department has close relationship with affiliating University, Autonomous colleges in Punjab and the faculty of IIT Ropar, for the development of mathematical skills in the students. Master's degree in mathematics equips the students with high level

Duration 4 Semesters (2 Years)

Total Seats 45

Eligibility Min 50% marks in Graduation with Mathematics

Programme of Study

Semester - I

MM 401	Algebra-I
MM 402	Real Analysis-I
MM 403	Topology-I
MM 404	Differential Geometry
MM 405	Complex Analysis

Semester - III

MM 601	Functional Analysis (Compulsory)
MM 602	Differentiable Manifolds

Student can opt any three of the following :

MM 603	Mathematical Statistics-I
MM 604	Numerical Analysis-I
MM 605	Field Theory
MM 606	Optimization Techniques-I
MM 607	Solid Mechanics
MM 608	Algebraic Coding Theory

Semester - II

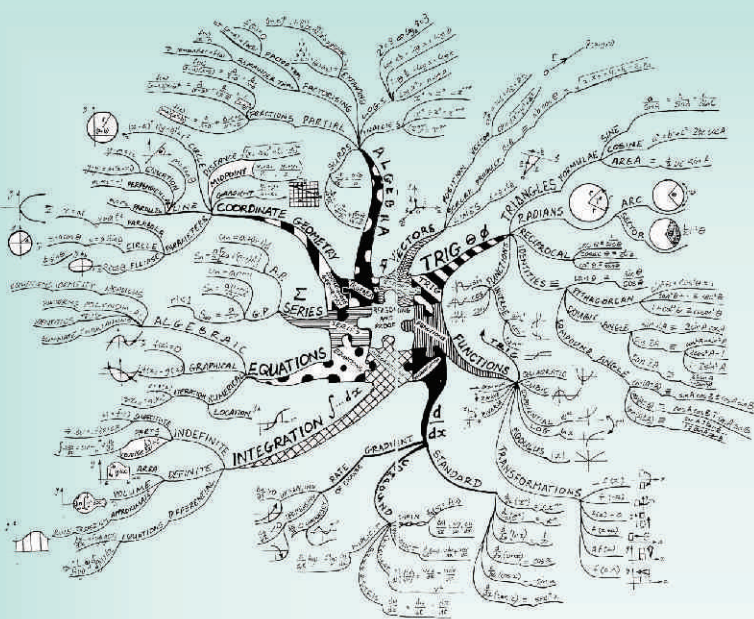
MM 501	Algebra-II
MM 502	Real Analysis-II
MM 503	Differential Equations
MM 504	Topology-II
MM 505	Mathematical Methods

Semester - IV

MM 701	Geometry of Differentiable Manifolds
MM 702	Theory of Linear Operators

Student can opt any three of the following :

MM 703	Mathematical Statistics-II
MM 704	Numerical Analysis-II
MM 705	Commutative Algebra
MM 706	Non Linear Programming
MM 707	Optimization Techniques-II
MM 708	Classical Mechanics



"Mathematics is the King of Arts and the Queen of all Sciences."
Anonymous

Bachelor of Science in Mathematics - Honours B.Sc. Math - Hons

Mathematics is a methodical application of matter because the subject makes a man methodical or systematic. Mathematics makes our life orderly and prevents chaos. Certain qualities that are nurtured by studying and applying mathematics are power of reasoning, creativity, abstract or spatial thinking, critical thinking, problem-solving ability and even effective communication skills. Thus, it is not surprising that the graduates in Mathematics are in great demand in today's world.

Duration : 6 Semesters (3 Years) **Total Seats: 45**
Eligibility: Min 50% marks in 10+2 level with Mathematics.

Programme of Study

SEMESTER-I

BMH 101	Calculus- I
BMH 102	Algebra
BMH 103	English-I
BMH 104	Punjabi-I /Mudla Gyan
GE I	Computer/ Physics/Chemistry

In addition to the above papers the students in Semester-I are also required to qualify the paper of Drug Abuse: Problem, Management and Prevention

SEMESTER-III

BMH 301	Analysis-I
BMH 302	Linear Algebra
BMH 303	Mathematical Methods
BMH 304	Probability & Statistics
GE III	Computer/ Physics/Chemistry

SEMESTER-V

BHM 501	Ring Theory & Linear Algebra-V
BHM 502	Numerical Methods
BHM 503	Statics and Dynamics
BHM 504	Linear Programming

SEMESTER-II

BMH 201	Calculus- II
BMH 202	Ordinary Differential Equations
BMH 203	English-II
BMH 204	Punjabi II/Mudla Gyan
EVS 206	Environmental Science
GE II	Computer/Physics/Chemistry

SEMESTER-IV

BMH 401	Analysis-II
BMH 402	Group Theory-I
BMH 403	P.D. E. & System of O.D.E.
BMH 404	Number Theory
GE IV	Computer/ Physics/Chemistry

SEMESTER-VI

BHM 601	Metric Spaces & Complex Analysis
BHM 602	Tensor Analysis
BHM 603	Integral Equations & Integral Transformation
BHM 604	Discrete Mathematics & Graph Theory

COMMERCE

& Management

Master of Commerce (M.Com.)

Eligibility : B.Com / BBA /BMTI / BAF with 50% marks in aggregate (45% for SC / ST and physically handicapped candidates with at least 35% disability)

Duration : 4 Semesters (2 Years)

Total Seats : 58

Master of Commerce, a post-graduate degree course focuses on adequate specialization in theory and practice of accounting, finance, statistics and marketing. After completing this programme, multifarious channels open for an individual in Financial Services, Marketing & Project Management, Business Consulting, Administrative Services and Government Sector.

Programme of Study

SEMESTER-I

MC101 Management Concepts and Organizational Behaviour

MC 102 Accounting for Managerial Decisions

MC103 Business Economics

MC104 E-Commerce

Elective Paper (Any one group)

Group-I Finance

MC 105(i) Financial Management

Group-II Accounting and Management

MC 105(ii) International Accounting

SEMESTER-III

MC 301 Contemporary Auditing

MC 302 Corporate Legal Framework

MC 303 Direct Tax Laws

MC 304 Marketing Management

MC 305 Workshop on Data Analytics

Elective Paper (Any One Group)

Group I: Finance

MC 306 (i) Management of Financial Services

Group II: Accounting & Management

MC 306 (ii) Project Management

SEMESTER-II

MC 201 Advance Accounting

MC 202 Business Environment

MC 203 Research Methodology & Statistical Techniques

MC 204 *Seminar (Based upon current issues relating to commerce)

Elective Paper (Any one group)

Group-I Finance

MC 205(i) Financial Institutions and Markets

Group-II Accounting and Management

MC 205(ii) Management Information and Control System

MC 206 Summer Training

NOTE: A student opting a particular group from the group of elective papers will have to continue with the same group in all the semesters of the course.

SEMESTER-IV

MC401 Human Resource Management

MC402 Fundamentals of Investment

MC403 Banking and Insurance Services

MC404 Corporate Tax Planning

MC405 Project Report

MC405A Comprehensive Viva Voce based on Project Report

Elective Paper (Any One Group)

Group I: Finance

MC 406 (i) International Finance

Group II: Accounting and Management

MC 406 (ii) Corporate Governance



Bachelor of Commerce (B.Com.)

Duration
6 Semesters
(3 Years)

Total Seats
120

Eligibility
10+2 Pass
in any stream
as per the norms
specified by
Punjabi University
Patiala

The course structure of the Bachelor of Commerce (B.Com.) degree is designed to provide the students with a wide range of managerial and accounting skills while at the same time building competence in other areas of business studies. The course equips the students with analytical, communication and problem-solving skills to effectively identify issues and find efficient and practical solutions. Students can become accountants, auditors, taxation specialists and customer relationship officers in Finance and Banking Industry, in Accounting and Computer Profession both in Corporate and Public Sector.

Programme of Study

SEMESTER-I

- BC/BBA 1.1 Environmental and road safety awareness
- BC 1.2 Financial Accounting
- BC 1.3 Business Organisation and Management
- BC 1.4 English (Communication Skills)
- BC1.5A/1.5B Punjabi (Compulsory)/ Punjabi(Mudla Gyan)

SEMESTER-II

- BC 2.1 Ethical Practices in Business
- BC 2.2 Business Laws
- BC 2.3 Business Mathematics and Statistics
- BC 2.4 English (Communication Skills)
- BC2.5A/2.5B Punjabi Compulsory/ Punjabi Mudla Gyan

CAE1.2Drug abuse: problems management and prevention (Qualifying Paper)

SEMESTER-III

- BC 3.1 Company Law
- BC 3.2 Income Tax Law and Practice
- BC 3.3A/3.3B Punjabi (Compulsory)/ Punjabi(Mudla Gyan)
- BC 3.4 Computer Applications in Business

SEMESTER-IV

- BC 4.1 Corporate Accounting
- BC 4.2 Cost Accounting
- BC 4.3A/4.3B Punjabi Compulsory/ Punjabi (Mudla Gyan)
- BC 4.4 E-Commerce

SEMESTER-V

- BC 5.1 Any one of the following
 - A. Human Resource Management
 - B. Principles of Marketing
- BC 5.2 Any one of the following
 - A. Fundamentals of Financial Mgmt.
 - B. Indirect Tax Laws
- BC 5.3 Entrepreneurship
- BC 5.4 Principles of Micro Economics
- BC 5.5 Punjabi (Compulsory)/ Punjabi(Mudla Gyan)

SEMESTER-VI

- BC 6.1 Any one of the following
 - A. Banking and Insurance
 - B. International Business
- BC 6.2 Any one of the following
 - A. Fundamentals of Investment
 - B. Consumer Protection
- BC 6.3 Personal Selling & Salesmanship
- BC 6.4 Indian Economy
- BC 6.5A/6.5B Punjabi Compulsory/ Punjabi(Mudla Gyan) / Mudla Gyan



B.Com.
Honours

Duration
6 Semesters
(3 Years)

Total Seats
60

Eligibility
10+2 Pass
in any stream
or as per the norms
specified by
Punjabi University
Patiala.

B.Com.(Honours) provides a deeper understanding of economic issues and prepares the students to get employment in national and multi-national corporations, financial institutions, banks etc.

Programme of Study

SEMESTER-I

BC /BBA 1.1 Environmental and Road safety awareness

BCH 1.2 Financial Accounting

BCH 1.3 Business Laws

BCH 1.4 Micro Economics

BCH 1.5 English (Communication Skills)

BCP101A/101B Punjabi Compulsory/Punjabi (Mudla Gyan)

SEMESTER-II

BCH 2.1 English(Communication Skills)

BCH 2.2 Corporate Law

BCH 2.3 Management Principles & Applications

BCH 2.4 Macro Economics

BCH 201A/201B Punjabi Compulsory/ Punjabi (Mudla Gyan)

CAE1.2Drug abuse: problems management and prevention (Qualifying Paper)

Note: There will be summer Training with Chartered Accountant/Company Secretary/ Business Organisation for 4 to 6 weeks regarding bank dealings, vouching and verification of accounts. The Seminar in third Semester will be based on Summer Training Report.

SEMESTER-III

BCH 3.1 Human Resource Management

BCH 3.2 Income Tax Law and Practice

BCH 3.3 Corporate Accounting

BCH 3.4 Business Statistics

BCH 3.5 E-Commerce

BCH 3.6 Seminar(Based on Summer Training)

SEMESTER-IV

BCH 4.1 Cost Accounting

BCH 4.2 Business Mathematics

BCH 4.3 Computer Applications in Business

BCH 4.4 Indian Economy

BCH 4.5 Entrepreneurship

SEMESTER-V

BCH 5.1 Principles of Marketing

BCH 5.2 Fundamentals of Financial Management

BCH 5.3 DSE-1 (Any one of Group A)

Discipline Specific Elective(DSE) Group A

A. Management Accounting

B. Advertising

BCH 5.4 DSE-2 (Any one of Group B)

Discipline Specific Elective(DSE) Group B

A. Banking and Insurance

B. Financial Markets, Institutions & Financial Services

SEMESTER-VI

BCH 6.1 Auditing & Corporate Governance

BCH 6.2 Indirect Tax Laws

BCH 6.3 DSE-1 (Any one of Group A)

Discipline Specific Elective(DSE) Group A

A. Fundamentals of Investment

B. Consumer Affairs and Customer Care

BCH 6.4 DSE-2 (Any one of Group B)

Discipline Specific Elective(DSE) Group B

A. International Business

B. Industrial Relations and Labour Laws

B.Com. Accounting and Finance

Duration
6 Semesters
(3 Years)

Total Seats
60

Eligibility
10+2 Pass
in any stream
or as per the norms
specified by
Punjabi University
Patiala.

Accounting is the language of business used by Investors, Management, Entrepreneurs, Lenders, Financial Analysts and Government bodies. B.Com (A & F) is useful for anyone who wishes to pursue career in business or in Accounting and Finance profession. With this qualification students will be able to work in any size or type of organization and in any employment sector in any country. The successful professional accountants must be able to make sound decisions based on business perspective and their expertise in accounting and finance. The course material is designed to develop skills and competencies in the students in the field of Accountancy and Finance.

Programme of Study

SEMESTER-I

BC/BBA 1.1	Environmental and Road Safety Awareness
BCAF 1.2	Financial Accounting
BCAF 1.3	Business Laws
BCAF 1.4	English (Communication skills)
BCP 101A/B	Punjabi Compulsory/ Mudla Gyan

SEMESTER-II

BCAF 2.1	Corporate Accounting
BCAF 2.2	Business Organisation and Management
BCAF 2.3	Corporate Law
BCAF 2.4	English (Communication Skills)
BCP 201A/B	Punjabi Compulsory/ Mudla Gyan

CAE-1.2 Drug abuse: problems management and prevention (Qualifying Paper)

Note: There will be summer Training with Chartered Accountant/Company Secretary/ Business Organisation for 4 to 6 weeks regarding bank dealings, vouching and verification of accounts. The Seminar in third Semester will be based on Summer Training Report

SEMESTER-III

BCAF 3.1	Financial Management
BCAF 3.2	Cost Accounting
BCAF 3.3	Income Tax Law and Practice
BCAF 3.4	Fundamentals of Computer Applications
BCAF 3.5	Workshop on Communication Skills & Personality Development
BCAF 3.6	Seminar (Based on Summer Training)

SEMESTER - IV

BCAF 4.1	Management Accounting
BCAF 4.2	Indirect Tax Laws
BCAF 4.3	Fundamentals of Statistics
BCAF 4.4	Workshop on Contemporary Business Issues
BCAF 4.5	Seminar on Business Ethics & Values

SEMESTER - V

BAF 5.1	Current Issues in Accounting
BAF 5.2	Fundamentals of Investment
BAF 5.3	Any one of the following A. Money & Financial Institutions B. Business Environment
BAF 5.4	Any one of the following A. Banking and Insurance B. Auditing and Corporate Governance
BAF 5.5	Business Economics

SEMESTER-VI

BAF 6.1	Security Analysis and Portfolio
BAF 6.2	Project Planning and Control
BAF 6.3	Any one of following: A. Public Finance B. Strategic Cost Accounting
BAF 6.4	Any one of following: A. International Finance B. Operation Research
BAF 6.5	Change and Stress Management

Bachelor of Business Administration BBA

Duration
6 Semesters
(3 Years)

Total Seats
50

Eligibility
10+2 Pass
in any stream
or as per the norms
specified by
Punjabi University
Patiala.

The college is the first in the region to take initiative for imparting quality management education to students. This course has been introduced to strengthen the foundation of those students who want a professional degree to succeed in the corporate world. The course content of B.B.A. is designed to provide right type of exposure to the students by focusing on various functional areas of management. The students are prepared to explore fresh opportunities in the areas of entrepreneurship and business administration.

B.B.A. Graduates have an edge over other graduates as they can move on to Masters qualification i.e. M.B.A. with greater confidence. Employment areas are Export houses, Business houses, MNCs and Marketing organizations.

Programme of Study

SEMESTER-I

- BC /BBA 1.1 Environmental and road safety awareness
- BBA 1.2 Principles of Business Management
- BBA 1.3 Foundations of Accounting
- BBA1.4 English (Communication Skills)
- BBP101A/101B Punjabi Compulsory/ Mudla Gyan

SEMESTER-II

- BC 201 Workshop on Communication Skills & Personality Development
- BBA 2.2 Managerial Economics
- BBA 2.3 Business Statistics
- BBA 2.4 Ethics and Corporate Social Responsibilities
- BBP 201A/201B Punjabi Compulsory/ Mudla Gyan
- CAE1.2Drug abuse: problems management and prevention (Qualifying Paper)**

SEMESTER-III

- BBA 3.1 Organisation Behaviour
- BBA 3.2 Principles of Marketing Management
- BBA 3.3 Production and Operation Management
- BBA 3.4 Business Research Methodology
- BBA 3.5 Seminar on Entrepreneurship
- BBP-301A/301B Punjabi Compulsory/ Mudla Gyan

SEMESTER - IV

- BBA 4.1 Human Resource Management
- BBA 4.2 Financial Management
- BBA 4.3 Organisation Development and Change
- BBA 4.4 E-Commerce
- BBA 4.5 Business Environment
- BBP-401A/401B Punjabi Compulsory/ Mudla Gyan

SEMESTER-V

- BBA 5.1 Retail Management
- BBA 5.2 Business Laws
- BBA 5.3 Any two from the following three Streams
 - A. Marketing: Advertising & Sales Management
 - B. H.R. : Managing Industrial Relations
 - C. Finance: Financial Instruments & Services
- BBA 5.4 Any one from the following three Streams
 - A. Marketing : Brand & Product Management
 - B. H.R.: Training and Development
 - C. Finance: Stock Market Operations
- BBA 501 A Punjabi Compulsory
- BBA 501 B Mudla Gyan/ Elementary Punjabi

SEMESTER - VI

- BBA-6.1 Industrial Training
- BBA-6.2 Industrial Project Report on Any one from three Streams:
 - A. H.R.
 - B. Marketing
 - C. Finance
- BBA-6.3 Seminar
- BBA-6.4 Viva-Voce



Master of Science in Artificial Intelligence & Data Science



“The ultimate promise of Technology is to make us master of our world, that we command by the push of a button”
Anonymous

Duration 4 Semesters (2 Years)

Total Seats 30

Eligibility 50% marks (in BCA or PGDCA or 3-year bachelor's degree with one of the following major elective subjects in each year : computer sciences / information technology / computer applications or any equivalent subject).

Programme of Study

SEMESTER-I

- MSAIDS-111 Introduction to Artificial Intelligence
- MSAIDS-112 Python Programming
- MSAIDS-113 Data Structure & Algorithm
- MSAIDS-114 Mathematical Foundation Course
- MSAIDS-115 Elective-I*
- MSAIDS-116 Software Lab-I(based on MSAIDS-112 & MSAIDS-113)

Elective-I: Students can opt any of the following papers

- MSAIDS-115E1 Developing Soft Skills & Personality
- MSAIDS-115E2 Customer Relationship Management
- MSAIDS-115E3 Healthcare Data Analytics

SEMESTER-III

- MSAIDS-211 Data Analysis Using Python
- MSAIDS-212 Soft Computing
- MSAIDS-213 Digital Image Processing
- MSAIDS-214 Computer Network Technologies
- MSAIDS-215 Software Lab-III (Based on MSAIDS-211)
- MSAIDS-216 Software Lab-IV (Based on MSAIDS-213)

SEMESTER-II

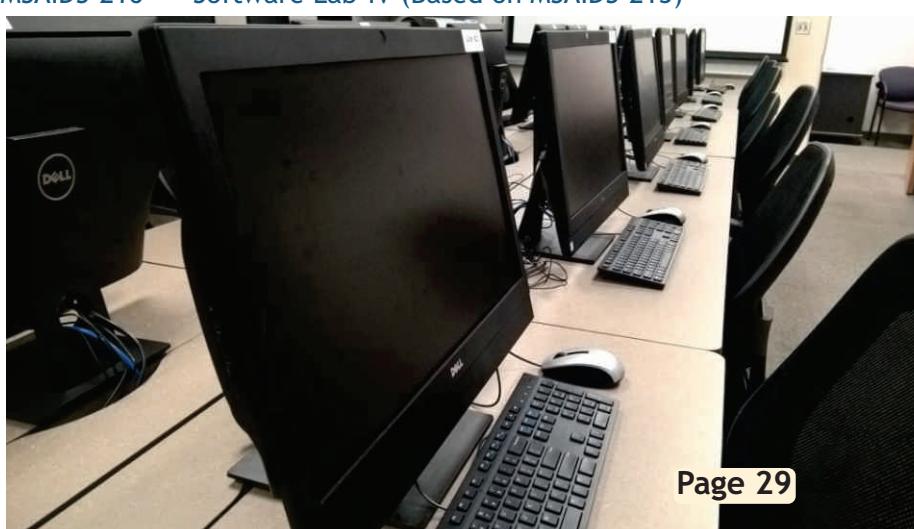
- MSAIDS-121 Introduction to Data Science
- MSAIDS-122 Web Analytics
- MSAIDS-123 Machine Learning with R
- MSAIDS-124 Probability & Statistics in Data Science
- MSAIDS-125 Elective-II**
- MSAIDS-126 Software Lab-II and Minor Project(based on MSAIDS-123)

Elective-II: Students can opt any of the following papers

- MSAIDS-125E1 Data Warehousing & Mining
- MSAIDS-125E2 Digital Marketing
- MSAIDS-125E3 Block Chain & Bitcoin Fundamentals

SEMESTER-IV

- MSAIDS-221 Research Methodology
- MSAIDS-222 Natural Language Processing Using Python
- MSAIDS-223 Big Data Analytics
- MSAIDS-224 Software Lab-V (Based on MSAIDS-222)
- MSAIDS-225 Software Lab-VI (Based on MSAIDS-223)
- MSAIDS-226 Project (2 Weeks In House Industrial Training)



This course covers the vast areas of Research, Software Engineering, Artificial Intelligence, Data Science, Programming, Machine Learning, Business Intelligence, Data Engineering, Government Sector etc. Nationally, there is a widely recognised shortage of qualified Artificial Intelligence (AI) and data scientists to meet the needs of the industry. This course will equip the students with the skills and professional insight they need to launch a career in this fast-growing sector.

Master of Science in Information Technology M.Sc. I.T.

Duration 4 Semesters (2 Years)

Total Seats 30

Eligibility 50% marks (in BCA or PGDCA or 3-year bachelor's degree with one of the following major elective subjects in each year : computer sciences / information technology / computer applications or any equivalent subject).



Programme of Study

SEMESTER-I

- MS-111 Computer Fundamentals
- MS-112 Computer Programming using C
- MS-113 Computer Organization and Architecture
- MS-114 Mathematical Foundation of Computer Sci.
- MS-115 Operating Systems
- MS-116 Programming Lab I(based on MS-112)
- MS-117 CBC-I*

*CBC-I: Student can opt any one of the following papers

- MS-117 E1 Computer Oriented Statistical Methods
- MS-117 E2 Quantitative Aptitude & Reasoning

SEMESTER-III

- MS-211 Web Technology
- MS-212 Java Programming
- MS-213 Computer Networks
- MS-214 Modern Information Systems
- MS-215 Programming Lab-IV (Web Technology)
- MS-216 Programming Lab-V (Java Programming)
- MS-217 CBC-III Workshop on Python Programming

SEMESTER-II

- MS-121 Object Oriented Programming Using C++
- MS-122 Data & File Structures
- MS-123 Software Engineering
- MS-124 RDBMS and Oracle
- MS-125 Programming Lab II(Based on MS-121 & MS-122)
- MS-126 Programming Lab III (Based on MS-124)
- MS-127 CBC-II*

*CBC-II: Student can opt any one of the following papers

- MS-127 E1 Workshop on Corel Draw
- MS-127 E2 Workshop on Adobe Photoshop

SEMESTER-IV

- MS-221 Computer Graphics
- MS-222 LINUX Administration
- MS-223 Research Methodology
- MS-224 Artificial Intelligence
- MS-225 Programming Lab-VI (Computer Graphics)
- MS-226 Programming Lab-VII (LINUX Administration)
- MS-227 Minor Project

Master of Science in Information Technology-Lateral Entry

Programme of Study

SEMESTER-III

- MS-211 Web Technology
- MS-212 Java Programming
- MS-213 Computer Networks
- MS-214 Modern Information Systems
- MS-215 Programming Lab-IV (Web Technology)
- MS-216 Programming Lab-V (Java Programming)
- MS-217 CBC-III Workshop on Python Programming

Duration : 2 Semesters (1 Years) Seats Total : 30
Eligibility : PGDCA with 50% marks.

SEMESTER-IV

- MS-221 Computer Graphics
- MS-222 LINUX Administration
- MS-223 Research Methodology
- MS-224 Artificial Intelligence
- MS-225 Programming Lab-VI (Computer Graphics)
- MS-226 Programming Lab-VII (LINUX Administration)
- MS-227 Minor Project

The candidate who gets admission through lateral entry in M.Sc (IT) after passing PGDCA examination will have to clear deficient papers as per Punjabi University Norms.

B.Sc.(Hons) in Artificial Intelligence & Data Science

Data is one of the most valuable commodities of 21st century. Understanding of how to analyse, validate and interpret are the key skills in every walk of life. The upcoming generation is going to be a generation of Artificial Intelligence and Data Science. This course will open up new horizons of opportunities and success in the areas of Software Engineering, Artificial Intelligence, Data Science, Programming, Business Intelligence and Data Engineering. The employability of this course spreads across public and private sectors.

Duration 3 Year (6 Semesters) **Total Seats** 40
Eligibility 10+2 Pass with minimum 50% marks in any stream with Mathematics/Statistics as compulsory subjects.

SEMESTER-I

BSCHAI-111	English (Communication Skills)
BSCHAI-112	**Punjabi(Compulsory) or
(BSP-101A/B)	**Punjabi Compulsory(Mudla Gyan)
BSCHAI-113	Computer Fundamentals
BSCHAI-114	Problem Solving and Programming in C
BSCHAI-115	Introduction to Artificial Intelligence
BSCHAI-116	Open Elective I*
BSCHAI-117	Software Lab- I(Based on BSCHAI-114)
BSCHAI-118	Drug Abuse-Problem, Prevention &
(SAE-1.1)	Management (Qualifying)

Open Elective I* (Choose any one among below)

BSCHAI-116(i)	Better Spoken English
BSCHAI-116(ii)	Stress Management
BSCHAI-116(iii)	Introduction to Logic
BSCHAI-116(iv)	Introduction to Sociology
BSCHAI-116(v)	Brief introduction to Psychology
BSCHAI-116(vi)	Developing Soft Skills and Personality
BSCHAI-116(vii)	Ethics

SEMESTER-III

BSCHAI-131	Mathematical Foundation Course
BSCHAI-132	Problem Solving and Programming in Python
BSCHAI-133	Fundamentals of DBMS
BSCHAI-134	Open Elective III*
BSCHAI-135	Software Lab-IV(Based on BSCHAI-132)
BSCHAI-136	Software Lab-V (Based on BSCHAI-133)
BSP-301A/B	Punjabi Compulsory or Punjabi Mudla Gyan

Open Elective III* (Choose any one among below)

BSCHAI-134(i)	Communication Skills
BSCHAI-134(ii)	Theory of Computation
BSCHAI-134(iii)	Intellectual Property Rights Awareness

SEMESTER-V

BSCHAI-151	R Programming & Machine Learning
BSCHAI-152	Data Warehousing and Mining
BSCHAI-153	Operating Systems
BSCHAI-154	Computer Networks
BSCHAI-155	Software Lab-II (Based on BSCHAI-151)
BSCHAI-156	Workshop in LINUX

SEMESTER-II

BSCHAI-121	Object Oriented Programming Concepts using C++
BSCHAI-122	Data Structures
BSCHAI-123	Open Elective-II*
BSCHAI-124	Software Lab-II (Based on BSCHAI-121)
BSCHAI-125	Software Lab-III (Based on BSCHAI-122)
BSCHAI-126	**Environmental and Road Safety Awareness (SAE-1.2)
BSCHAI-127	Punjabi Compulsory or Punjabi Mudla Gyan (BSP-201A/B)

Open Elective II* (Choose any one amongst below)

BSCHAI-123(i)	Cyber Laws
BSCHAI-123(ii)	Knowledge Management
BSCHAI-123(iii)	English (Communication Skills)
BSCHAI-123(iv)	Economics of Intellectual Property Rights
**BSCHAI-126	- Qualifying Examination

SEMESTER-IV

BSCHAI-141	Probability and Statistics in Data Science
BSCHAI-142	Data Analysis using Python
BSCHAI-143	Web Technology
BSCHAI-144	Open Elective-IV*
BSCHAI-145	Programming Lab-V (Based on BSCHAI-142)
BSCHAI-146	Software Lab-I(Based on BSCHAI-143)

Open Elective IV* (Choose any one amongst below)

BSCHAI-144(i)	Software Engineering
BSCHAI-144(ii)	Cyber Security and Information Assurance
BSCHAI-144(iii)	Social Networking and Mining

SEMESTER-VI

BSCHAI-161	Big Data Analysis and Visualization
BSCHAI-162	Web Development using PHP
BSCHAI-163	Cyber Security
BSCHAI-164	Software Lab-III (Based on BSCHAI-161)
BSCHAI-165	Software Lab-IV (Based on BSCHAI-162)
BSCHAI-166	Minor Project (2 Weeks In House Industrial Training)

Bachelor of Computer Applications

BCA

Duration : 6 Semesters (3 Years)

Total Seats : 150

Eligibility : 10+2 Pass in any stream as per the conditions specified by
Punjabi University, Patiala.

Programme of Study

SEMESTER-I

BCA-111 English(Communication Skills)
BSP-101A/B Punjabi Compulsory or Punjabi Mudhla Gyan
BCA-113 Fundamentals of Information Technology
BCA-114 Web Designing using HTML
BCA-115 GE-I*
BCA-116 Software Lab I(Based on BCA-113)
BCA-117 Software Lab II(Based on BCA-114)
BCA-118 Drug abuse : Problem ,Management and
(SAE 1.1) Prevention (Qualifying)

***GE-I:Students can opt any of the following papers**

BCA-115 E1 e-Commerce

BCA-115 E2 Principles & Practices of Management

SEMESTER-III

BCA-201 Object Oriented Programming using C++
BCA-202 Data Structure
BCA-203 Relational Database Management System
with Oracle
BCA-204 Software Engineering
BCA-205 GE-III*
BCA-206 Software Lab-V (based on paper BCA-201)
BCA-207 Software Lab-VI (based on paper BCA-202)
BCA-208 Software Lab-VII (based on paper BCA-203)
PBCA-301A/B Punjabi Compulsory or Punjabi Mudhla Gyan

GE-III*: Any one of the following may be opted:

BCA-205 (E1)Basic Mathematics

BCA-205 (E2)Quantitative Aptitude

SEMESTER-V

BCA-301 Web Development using APS.NET
BCA-302 Computer Graphics
BCA-303 Linux Administration
BCA-304 DSE-I*
BCA-305 Software Lab-IX(Based on paper BCA-301)
BCA-306 Software Lab-X(Based on paper BCA-302)
BCA-307 Software Lab-XI(Based on paper BCA-303)
PBCA-501A/501B Punjabi Compulsory or Punjabi
Compulsory (Mudhla Gyan)

**DSE-I* Students can opt any one of the following
papers:**

BCA-304(E1) Enterprise Resource Planning

BCA-304(E2) Management Information Systems

SEMESTER-II

BCA-121 English (Communication Skills)
BSP-201A,B Punjabi Compulsory or Punjabi Mudhla Gyan
BCA-123 Programming Fundamentals using C
BCA-124 Operating System
BCA-125 GE-II**
BCA-126 Software Lab III(based on BCA-123)
BCA-127 Software Lab IV(based On BCA-124)
BCA-128 Environmental and Road Safety Awareness
(SAE 1.2)

****GE-II: Students can opt any of the following papers**

BCA-125 E1 Computer System Architecture

BCA-125 E2 System Analysis & Design

SEMESTER-IV

BCA-211 Computer Networks
BCA-212 Programming using Java
BCA-213 System Software
BCA-214 Workshop on Adobe Photoshop
BCA-215 GE-IV**
BCA-216 Software Lab-VIII(based on paper BCA- 212)
PBCA 401A/B Punjabi Compulsory or Punjabi Mudhla
Gyan

GE-IV: Students can opt any one of the following:**

BCA-215 (E1) Digital Electronics

BCA-215 (E2) Computer Oriented Statistical Methods

SEMESTER-VI

BCA-311 Web Development using PHP and MYSQL
BCA-312 Artificial Intelligence
BCA-313 DSE-II*
BCA-314 Software Lab-XII (Based on paper BCA-311)
BCA-315 Software Lab-XIII (Based on paper BCA-313)
BCA-316 Major Project
PBCA-601A/601B Punjabi Compulsory or Punjabi
Compulsory (Mudhla Gyan)

**DSE-II* Students can opt any one of the following
papers:**

BCA-313(E1) Programming using Python

BCA-313(E2) Digital Image Processing

Post Graduate Diploma in Computer Applications (PGDCA)

Computer education has become absolutely vital for survival in today's world. Enhancement of one's skills and knowledge in computers makes a person professionally more valuable. Computers have made the dispersion of the knowledge an easy affair and have given an opportunity to develop our knowledge base to any extent. The demand for computer professionals is growing day by day in the highly dynamic and global environment of the present era. It has been a consistent endeavour of our college to adapt itself and its programmes to meet the requirements of the constantly evolving IT Industry in India and abroad. The inclusion of this PG Diploma is a step towards that noble direction.

Programme of Study

Duration 2 Semesters (1 Year)
Eligibility Graduation in any stream

Total Seats 60

SEMESTER-I

PGDCA-101	Fundamentals of Information Technology
PGDCA-102	Operating Systems
PGDCA-103	Problem Solving using 'C'
PGDCA-104	Software Lab I (Office Automation and Productivity Tools)
PGDCA-105	Software Lab II (Based on PGDCA-103)
PGDCA-106	CHOICE BASED COURSE-I*(CBC-I*)
*CBC-I: Students can opt any one of the following papers	
PGDCA-106 E1	Computer Oriented Statistical Methods
PGDCA-106 E2	Quantitative Aptitude & Reasoning

SEMESTER-II

PGDCA-201	Database Management System
PGDCA-202	Introduction to Computer Networks and E-Commerce
PGDCA-203	Object-oriented Programming using C++
PGDCA-204	Software Lab III (Based on PGDCA-201)
PGDCA-205	Software Lab IV (Based on PGDCA-203)
PGDCA-206	CHOICE BASED COURSE-II*(CBC-II*)
*CBC-II: Students can opt any one of the following papers	
PGDCA-206 E1	Workshop on Corel Draw
PGDCA-206 E2	Workshop on Adobe Photoshop

Diploma in Computer Applications (D.C.A.)

Programme of Study

Duration 1 Year (2 Semesters)

Total Seats 30

Eligibility 10+2 Pass or equivalent in any stream

SEMESTER-I

DCA-111	Fundamentals of IT
DCA-112	Operating Systems
DCA-113	Workshop on Adobe Photoshop
DCA-114	Software Lab-I (Office Automation)

SEMESTER-II

DCA-121	Computer Communication & Internet
DCA-122	Relational Database Management Systems
DCA-123	Workshop on Corel Draw
DCA-124	Software Lab-II (Oracle)
DCA-125	Software Lab-III (Internet)

Diploma Course in Computer Hardware & Networking

Programme of Study

Duration 1 Year (2 Semesters)

Total Seats 30

Eligibility 10+2 Pass or equivalent in any stream

SEMESTER-I

DCHN-1	Fundamentals of Information Technology
DCHN-2	Network Essentials
DCHN-3	Software Lab-I (Based on Paper DCHN-1)

SEMESTER-II

DCHN-4	PC Assembling & Troubleshooting
DCHN-5	Windows 2007 Server Administration
DCHN-6	Software Lab-II (Based on Paper DCHN-4 & DCHN-5)

Add-on Certificate Course in Web Designing

Programme of Study

Duration
Eligibility

1 Year (2 Semesters)

Total Seats 30

Student must be enrolled in the institute in any course.

SEMESTER-I

CC-101	Web Designing Using HTML & DHTML
CC-102	Practical Based on CC-101

SEMESTER-II

CC-201	Web development using PHP
CC-202	Practical Based on CC-201

botany



Master of Science in Botany M.Sc. Botany

Duration : 4 Semesters (2 Years) Total Seats : 30
Eligibility : Minimum 50% marks in graduation with Botany

SEMESTER-I CORE COURSE

- M-BOT-T-1.1 Phycology and Bryology
- M-BOT-T-1.2 Mycology
- M-BOT-T-1.3 Cell and Molecular Biology
- M-BOT-T-1.4 Research Techniques

ELECTIVE COURSE: *One Subject to be opted

- M-BOT-T-1.5 Microbiology
- M-BOT-T-1.6 Forest Botany

Practicals

- M-BOT-L-1.1 Pertaining to Theory Papers M-BOT-T-1.1 & 1.2
- M-BOT-L-1.2 Pertaining to Theory Papers M-BOT-T-1.3 & 1.4
- M-BOT-L-1.3 Pertaining to Theory Papers M-BOT-T-1.5 or 1.6

SEMESTER-III

CORE COURSE

- M-BOT-T-3.1 Plant Anatomy and Reproduction
- M-BOT-T-3.2 Ecology and Phytogeography
- M-BOT-T-3.3 Biostatistics and Bioinformatics
- M-BOT-T-3.4 Systematics and Diversity of Angiosperms

ELECTIVE COURSE: *One Subject to be opted

- M-BOT-T-3.5 Principles of Plant Pathology
- M-BOT-T-3.6 Evolutionary Biology

Practicals

- M-BOT-L-3.1 Pertaining to Theory Papers M-BOT-T-3.1 & 3.2
- M-BOT-L-3.2 Pertaining to Theory Papers M-BOT-T-3.3 & 3.4
- M-BOT-L-3.3 Pertaining to Theory Papers M-BOT-T-3.5 & 3.6

SEMESTER-II CORE COURSE

- M-BOT-T-2.1 Pteridophytes and Gymnosperms
- M-BOT-T-2.2 Plant Genetics
- M-BOT-T-2.3 Plant Physiology
- M-BOT-T-2.4 Plant Biochemistry and Metabolism

ELECTIVE COURSE: *One Subject to be opted

- M-BOT-T-2.5 Ethnobotany and Intellectual Property Rights
- M-BOT-T-2.6 Environmental Toxicology

Practicals

- M-BOT-L-2.1 Pertaining to Theory Papers M-BOT-T-2.1 & 2.2
- M-BOT-L-2.2 Pertaining to Theory Papers M-BOT-T-2.3 & 2.4
- M-BOT-L-2.3 Pertaining to Theory Papers M-BOT-T-2.5 & 2.6

SEMESTER-IV

CORE COURSE

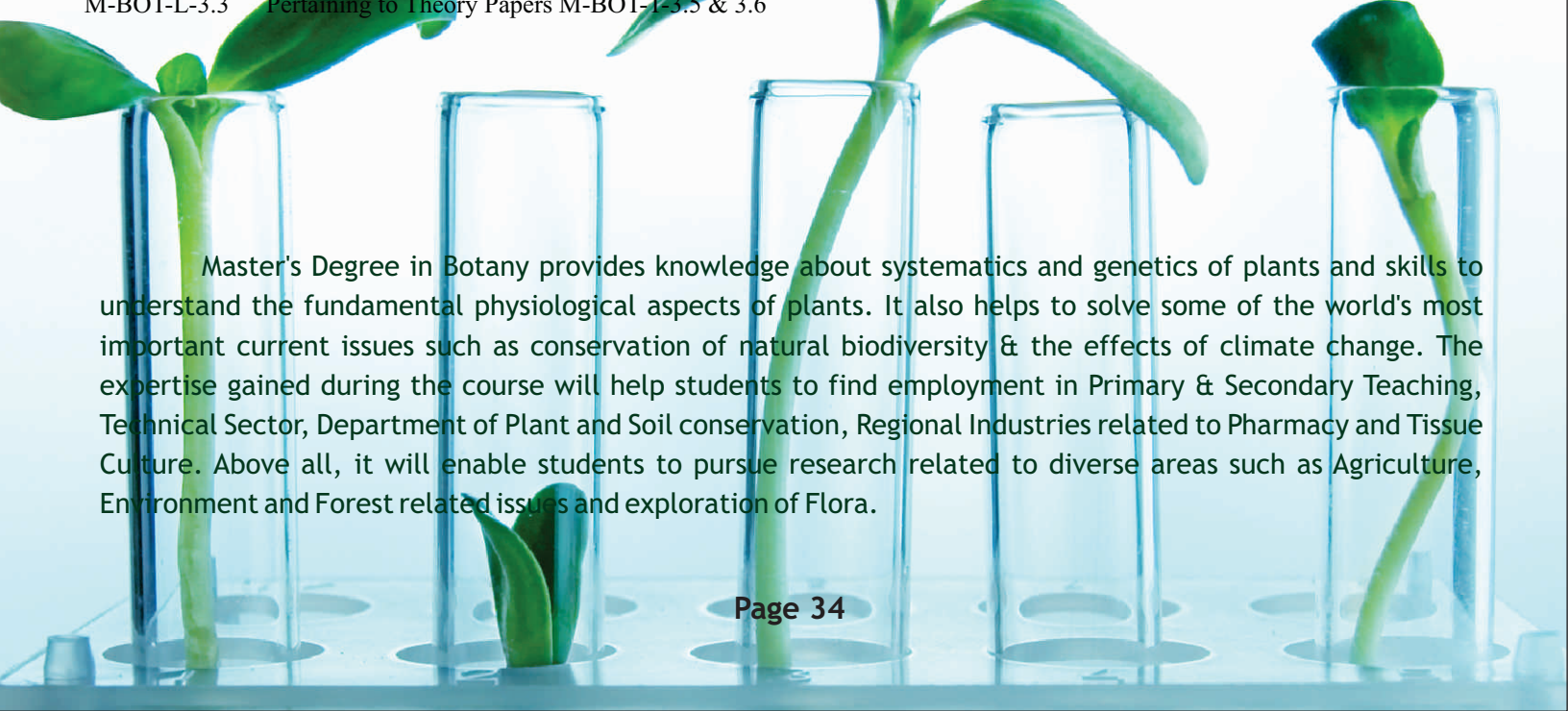
- M-BOT-T-4.1 Crop Genetics and Plant Breeding
- M-BOT-T-4.2 Biodiversity and Global Climate Change
- M-BOT-T-4.3 Plant Tissue Culture and Biotechnology
- M-BOT-T-4.4 Plant Resource and Utilization

ELECTIVE COURSE: *One Subject to be opted

- M-BOT-T-4.5 Plant Diseases and Management (pre-requisite is 3.5)
- M-BOT-T-4.6 Agricultural Botany

Practicals

- M-BOT-L-4.1 Pertaining to Theory Papers M-BOT-T-4.1 & 4.2
- M-BOT-L-4.2 Pertaining to Theory Papers M-BOT-T-4.3 & 4.4
- M-BOT-L-4.3 Pertaining to Theory Papers M-BOT-T-4.5 & 4.6



Master's Degree in Botany provides knowledge about systematics and genetics of plants and skills to understand the fundamental physiological aspects of plants. It also helps to solve some of the world's most important current issues such as conservation of natural biodiversity & the effects of climate change. The expertise gained during the course will help students to find employment in Primary & Secondary Teaching, Technical Sector, Department of Plant and Soil conservation, Regional Industries related to Pharmacy and Tissue Culture. Above all, it will enable students to pursue research related to diverse areas such as Agriculture, Environment and Forest related issues and exploration of Flora.



Department of Zoology M.Sc. Zoology

"An animal's eyes have the power to speak a great language." - Martin Buber

Duration : 2 Years (4 Semesters) **Total Seats: 30**
Eligibility: Min 50% marks in graduation with Zoology

Zoology refers to the branch of science that deals with the study of the mannerisms, habitats, structure and classification of animals. The PG Course in Zoology offers a wide range of subject options for the budding Zoologists. This course is designed to develop practical experience of modern laboratory and field research techniques, giving you a range of technical skills. Students will gain a strong set of transferable skills, including: analytical skills, data-handling skills and presentation and oral communication skills while pursuing this course. Moreover, after completing M.Sc. students can go for teaching and research job in Govt as well as private sector, or zookeeping at a zoo, wildlife centres, parks and aquariums. Many zoologists' careers involve hands-on work, traveling and monitoring animals in their natural habitats as shown in popular TV channels like Animal Planet, Discovery, Nat Geo Wild etc.

Programme of Study

SEMESTER-I

- MZO 111 Biosystematics and Taxonomy
- MZO 112 Evolutionary Biology
- MZO 113 Molecular Biology
- MZO 114 Developmental Biology
- MZO115 Concepts of Ecology
- MZO 116 Theory Paper MZO 111 and 112
- MZO 117 Theory Paper MZO 113 and 114
- MZO 118 Theory Paper MZO 115

SEMESTER-III

- MZO211 Animal Behaviour
- MZO 212 General Endocrinology
- MZO 213 Instrumentation and Biostatistics
- MZO 214 Cell Signalling
- MZO215 Microbiology
- MZO 216 Theory Paper MZO 211 and 212
- MZO 217 Theory Paper MZO 213 and 214
- MZO 218 Theory Paper MZO 215

SEMESTER-II

- MZO121 Cytogenetics
- MZO122 General Physiology
- MZO 123 Biochemistry
- MZO 124 General Immunology
- MZO 125 A Bioinformatics and Applied Biology
- MZO 125 B Industrial Zoology
- MZO 126 Theory Paper MZO 121 and 122
- MZO 127 Theory Paper MZO 123 and 124
- MZO 128 Theory Paper MZO 125 A or 125 B

SEMESTER-IV

- MZO221 Zoogeography, Wildlife and its Management
- MZO222 Histology and Histochemistry
- MZO 223 Bio -Techniques
- MZO 224 Fish and Fisheries
- MZO 225 A Parasitology
- MZO 225 B Entomology
- MZO 225 C Research Project
- MZO 226 Theory Paper MZO 221 and 222
- MZO 227 Theory Paper MZO 223 and 224
- MZO 228 Theory Paper MZO 225 A or 225 B or 225 C



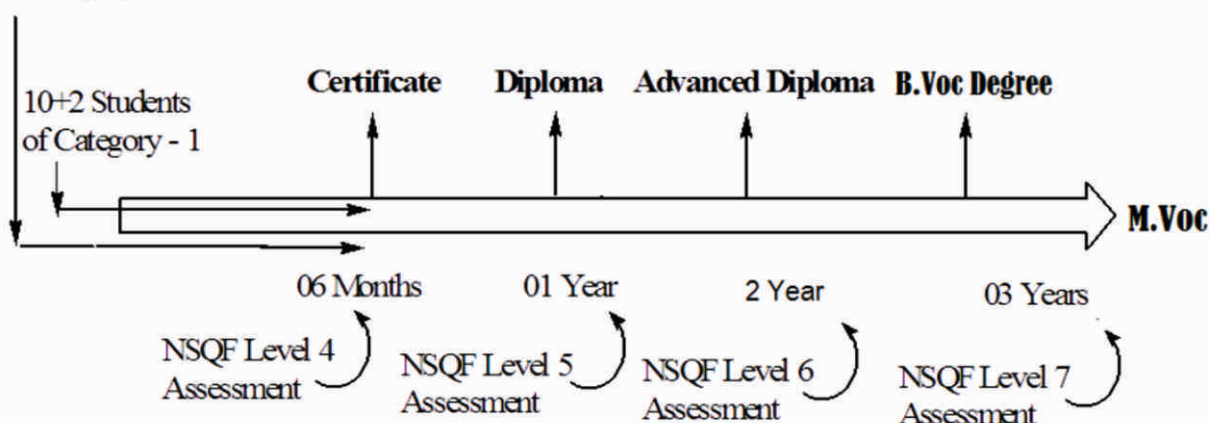
VOCATIONAL EDUCATION

Bachelor of Vocation (B.Voc.)

Bachelor of Vocation (B.Voc.) is a scheme for skill development launched by University Grants Commission. This degree has multiple entry and exit points. This programme is focused on providing undergraduate studies. This enables the graduates completing B.Voc. to make a meaningful participation in accelerating India's economy by gaining appropriate employment, becoming entrepreneurs and creating appropriate knowledge. We are running successfully the following courses : (A). Software Development, (B) Food Processing, (C) Hospitality & Tourism (D) Retail Management, (E) Pharmaceutical Chemistry

Entry and Exit layout:

10+2 Students
of Category - 2 & 3



Eligibility :

The eligibility for B.Voc. programme is 10+2 or equivalent in any stream (Arts/Science/Commerce) with 50% at 10+2 or equivalent level.

There may be three types of learners getting admission to first semester of courses:

Category-1: Students already having NSQF certification Level 4 in a particular industry sector and seeking admission in the courses in same trade with job role for which he / she previously certified at school level.

Category-2: Students who have acquired NSQF certification Level 4 but may like to change their trade and may enter in a different industry sector.

Category-3: Students who have passed 10+2 examination with conventional schooling without any background of vocational training.

Academic Equivalence:

- ✱ Bachelor of Vocation (B. Voc.), a Bachelor level degree specified by UGC under section 22(3) of UGC Act, 1956 and notified in official Gazette of India dated 19th January, 2013 is recognized at par with the other Bachelor level degrees for competitive exams conducted by Union/State Public Service Commission, Staff Selection Commission or other such bodies where the eligibility criteria is "Bachelor Degree in any discipline".
- ✱ Students with B.Voc. Degree are considered eligible for the trans disciplinary vertical mobility into such courses where entry qualification is a Bachelor Degree without specific requirement in a particular discipline.
- ✱ Students qualifying B.Voc. in Food Processing can take admission in M.Sc. (Food Technology/ Food Processing/Microbial Food Technology etc.)



Bachelor of Vocation - Software Development

In today's world, computer software technology is playing a vital role in each and every field that a person can contemplate. Banking, Defence, Sports, Health, Finance, Research and various other sectors are developing and blossoming due to the incorporation of software technology in them. This dependence of various sectors on software has stressed on multitude workforce which can be amalgamated in these fields, thus providing an avenue for employment. The students who enroll in B.Voc. (Software Development) get themselves acquainted with the implications of software development and their application to various practical purposes. The course helps a student to become a software developer making him capable of getting lucrative jobs in Govt. as well as in Private sector.

SEMESTER-I

BVSD-111	Fundamentals of Computer & Software Development
BVSD-112	Programming using C
BVSD-113	Web designing using HTML
BVSD-114	English (Communication Skills)
BVSD-115	Punjabi Compulsory/Punjabi Mudhla Gyan (BSP-101A/B)
BVSD-116	Software Lab-I(Based on BVSD-111)
BVSD-117	Software Lab-II(Based on BVSD-112 & BVSD-113)
BVSD-118	Drug Abuse: Problem, Management & Prevention (Qualifying)
SAE 1.1	

SEMESTER-III

B.VSD-211	Programming using Java
B.VSD-212	Fundamentals of DBMS
B.VSD-213	Operating System
B.VSD-214	Management Information System
B.VSD-215	Software Lab - IV (Based on BVSD-211)
B.VSD-216	Software Lab - V (Based on BVSD-212)
B.VSD-217	Workshop on Adobe Photoshop

SEMESTER-V

BVSD-311	Programming using Python
BVSD-312	Web Development using ASP.NET
BVSD-313	Software Engineering & Testing
BVSD-314	Presentation Skills & Personality Development
BVSD-315	Software Lab-VIII (Based on BVSD-311)
BVSD-316	Software Lab-IX (Based on BVSD-312)

BVSD-317

Workshop on Corel Draw

BVSD-318

Workshop (Based on BVSD-314)

SEMESTER-II

BVSD-121	Object Oriented Prog. Using C++
BVSD-122	Data Structures
BVSD-123	Discrete Mathematics
BVSD-124	English(Communication Skills)
BVSD-125	Punjabi Compulsory/ Mudhla Gyan (BSP-201A/B)
BVSD-126	Software Lab-III(Based on BVSD-121 & BVSD-122)
BVSD-127	Language Lab-I (Based On BVSD-124 & BSP-201A,B)
BVSD-128	Environmental & Road Safety Awareness (SAE 1.2)

SEMESTER-IV

B.VSD-221	Web Development using PHP & MYSQL
B.VSD-222	Content Management System
B.VSD-223	Computer Networks
B.VSD-224	Relational Database Mgmt. System
B.VSD-225	Software Lab - VI (Based on BVSD-221 & BVSD-222)
B.VSD-226	Software Lab - VII (Based on BVSD-224)
B.VSD-227	Project -I (In house Industrial Training)

SEMESTER-VI

B.VSD-321	PROJECT
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Bachelor of Vocation - Food Processing

Food Processing is a challenging sector but it has a bright future. Despite the fact that food processing industry in India is at a developing stage, it offers exponential career opportunities to trained professionals in food processing. There is a plethora of different professions food processing graduates can enter into with aptitude to work and requisite skills. One can find employment in food research laboratories, catering companies, marketing teaching, quality management, nutrition, sales, research etc. Higher education and special qualification help in getting attractive positions in the food processing sector.

SEMESTER-I

BSPA/BSPB Punjabi Compulsory or Mudhla Gyan

B.VFP-112 English (communication skills)

B.VFP-113 Food Chemistry and Nutrition

B.VFP-114 Introductory Food Microbiology

B.VFP-115 Dairy Technology

B.VFP-116 Practical Paper I (Food Chemistry and Nutrition)

B.VFP-117 Practical Paper II (Introductory Food Microbiology)

B.VFP-118 Practical Paper III (Dairy Technology)

B.VFP-119 Industrial visit

SAE 1.1 Drug Abuse : Problem, management and prevention

QP- FIC/ Q7001 (Specific Job Role) Dairy Processing Equipment Operator Level-4/or any other qualification pack of level 4

SEMESTER-II

BSP 201A/BSP201B Punjabi compulsory or Mudla Gyan

B.VFP-212 English (communication skills)

B.VFP-213 Fundamentals of Food Processing

B.VFP-214 Fruits and Vegetable Processing

B.VFP-215 Cereal and Pulses Technology

B.VFP-216 Practical Paper IV English (Communication Skills)

B.VFP-217 Practical Paper V (Fundamentals of Food Processing)

B.VFP-218 Practical Paper VI (Fruits and Vegetable Processing)

B.VFP-219 Practical Paper VII (Cereal and Pulses Technology)

B.VFP-220 Industrial Visit

SAE- 1.2 Environment Studies and Road safety

QP-FIC/Q7001(Specific Job Role) Supervisor Fruits & Vegetable Processing Level-5 or any other qualifications pack of level-5

SEMESTER-III

B.VFP-311 English (Communication Skills)

B.VFP-312 Documentation in food processing

B.VFP-313 Basics of food packaging

B.VFP-314 Introduction to Grain Milling and Machineries

B.VFP-315 Food products Packaging Technology

B.VFP-316 Practical paper IX pertaining to B.VFP-312 (Documentation in food processing)

B.VFP-317 Practical paper X pertaining to B.VFP-313 (Basics of food packaging)

B.VFP-318 Practical Paper XI pertaining to B.VFP-314 (Introduction to grain milling and machineries)

B.VFP-319 Practical Paper XII pertaining to B.VFP-315 (Food products Packaging Technology)

B.VFP-320 Industrial Visit

Duration : 6 Semesters (3 Years) Total Seats : 50

Eligibility : As per Punjabi University norms.

QP-FIC/Q1001 (Specific Job Role) Chief Miller Level-6 /or any other qualification pack of Level-6

(Level 6 is of two semesters therefore evaluation shall be done after IV semester)

SEMESTER-IV

B.VFP-411 Holistic Development-Physical Training

B.VFP-412 Food Plant Design and Management

B.VFP-413 Food Spoilage and Control

B.VFP-414 Quality Control and Regulations

B.VFP-415 Meat, Fish And Poultry Processing

B.VFP-416 Practical Paper XIII pertaining to B.VFP-411 (Holistic Development-Physical Training)

B.VFP-417 Practical Paper XIV pertaining to B.VFP-413 (Food Spoilage and Control)

B.VFP-418 Practical Paper XV pertaining to B.VFP-414 (Quality Control and Regulations)

B.VFP-419 Practical Paper XVI pertaining to B.VFP-415 (Meat, Fish And Poultry Processing)

B.VFP-420 Industrial Visit

QP-FIC/Q1001 (Specific Job Role) Chief Miller/Food Microbiologist / Quality Assurance Manager/ Level-6/or any other qualification pack of level 6

SEMESTER-V

B.VFP-511 Presentaion skills and Personality Development

B.VFP-512 Marketing and Retail Management

B.VFP-513 Sugar and Confectionery Technology

B.VFP-514 Food Industry Waste Management

B.VFP-515 Entrepreneurship Development in Food Processing

B.VFP-516 Practical paper XVII pertaining to B.VFP-512 (Marketing and Retail Management)

B.VFP-517 Practical Paper XVIII pertaining to B.VFP-513 (Sugar and Confectionery Technology)

B.VFP-518 Practical Paper XIX pertaining to B.VFP-514 (Food Industry Waste Management)

B.VFP-519 Practical Paper XX pertaining to B.VFP-515 (Entrepreneurship Development in Food

Processing)

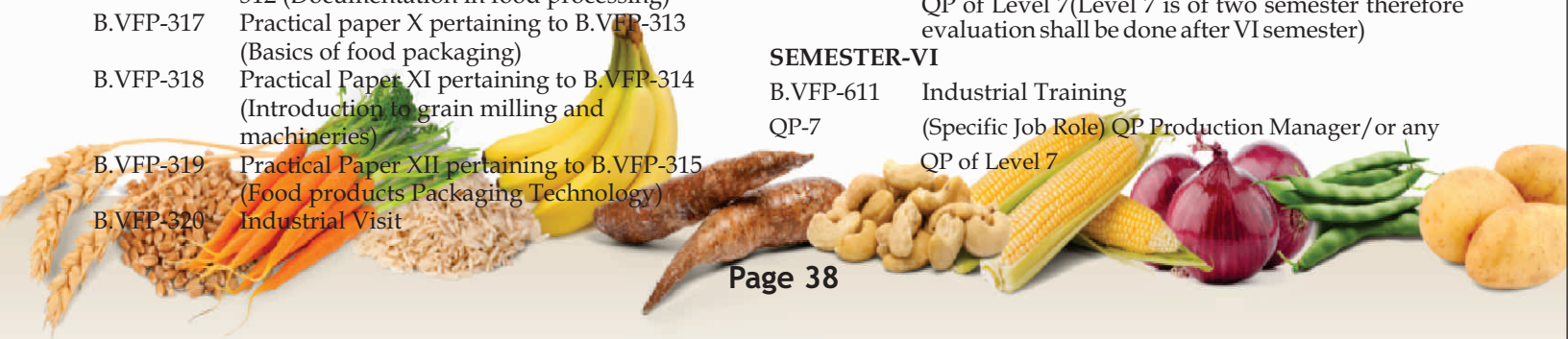
B.VFP-520 Industrial Visit

QP-7 (Specific Job Role) QP Production Manager/or any QP of Level 7(Level 7 is of two semester therefore evaluation shall be done after VI semester)

SEMESTER-VI

B.VFP-611 Industrial Training

QP-7 (Specific Job Role) QP Production Manager/or any QP of Level 7



10+2 or equivalent in any stream.

Total Seats 50

B.Voc. Hospitality & Tourism

SEMESTER-I

BVHT -306

Seminar on Hotel & Resort Management

BVHT -307 On Job Practical Training & Report

SEMESTER-IV

BVHT -401	Personality Development
BVHT -402	Basic of Computer Application
BVHT -403	Workshop on French
BVHT -404	Tourism Management
BVHT -405	Front Office Operation-IV
BVHT -406	Housekeeping Operation-IV
BVHT -407	Seminar on Indian Society & C
BVHT -408	On Job Practical Training & Re

SEMESTER-V

BVHT -501	Travel Agency and Tour Operation Management
BVHT -502	Housekeeping Operation-V
BVHT -503	Front Office Operations-V
BVHT -504	Seminar on Organisational Behaviour in Hospitality Industry
BVHT -505	Advertising and Personal Selling
BVHT -506	Ethical, Legal & Regulatory Framework of Tourism

Workshop on Hotel Accounting System
*SEMESTER-VI

***SEMESTER-VI**

BVHT -601 Industrial Training Project
 BVHT -602 Project Report and Log Book
 BVHT -603 Presentation on the Project Report
 BVHT -604 Attendance (Industrial Training)
 BVHT -605 Evaluation by Trainer
 BVHT -606 VIVA-VOCE (Combined all Semester

Note: The syllabus scheme of semester VI is subject to the approval of the Board of Studies.

Bachelor of Vocation (B.Voc.)**RETAIL****Management**

B.Voc. Retail Management has been launched under the scheme of UGC as a skill development programme of higher education. It is a job-oriented vocational training programme that enables the students to build a decent career in retail management sector. The purpose this course is to widen the scope of career making options for the students after +2.

SEMESTER-I

BVRM 101	Introduction to Retail Management
BVRM 102	Management Principles & Practices
BVRM 103	Workshop on Visual Merchandising
BVRM 104	Seminar on Retail Salesmanship
BVRM 105	Fundamental of Computer Apps.
PBVOC 101	A/B Punjabi Compulsory/ Mudla Gyan
BVRM 107	English (Communication Skills)
BC - 101	Environment & Road Safety Awareness (Qualifying Paper)

SEMESTER-II

BVRM-201	Store Display and Visual Merchandising
BVRM-202	Organization & Team Dynamics
BVRM-203	Workshop on Store Cleanliness & Hygiene
BVRM-204	Seminar on Customer Relationship Mgmt
BVRM-205	E-Commerce
PBVOC 201A/B	Punjabi compulsory/Mudlay Gyan
BVRM- 207	English (Communication Skills)

***SEMESTER-III**

BVRM-301	Financial Management
BVRM-302	Advertising & Sales Management
BVRM-303	Retail Stores & Operation Mgmt
BVRM-304	Health & Safety Management Issues in Retail

BVRM-305

Workshop on Marketing Mgmt

BVRM-306

Seminar on Communication Skills

***SEMESTER-IV**

BVRM-401	Personality Development
BVRM-402	Project Management
BVRM-403	Leadership & Team Mgmt
BVRM-404	E-Retailing
BVRM- 405	Workshops on Developing a Franchise System
BVRM- 406	Seminar on Entrepreneurship Skills

***SEMESTER-V**

BVRM-501	Marketing Management
BVRM-502	Business Ethics and CSR
BVRM-503	Retail Planning and Legal Framework
BVRM-504	Total Quality Management
BVRM-505	Workshop on Visual Merchandising & Customer Satisfaction
BVRM-506	Seminar on Retail Store Team Management

***SEMESTER-VI**

BVRM-601	Industrial Training Project
BVRM-602	Project Report
BVRM-603	Presentation on the Project Report
BVRM-604	Attendance (Industrial Training)
BVRM-605	Evaluation by Trainer
BVRM-606	VIVA VOCE (Combine all Semester)



Duration 3 Years (6 semesters) Total Seats 40
Eligibility +2 with Science stream

B.Voc Pharmaceutical Chemistry

The tremendous growth of Pharma sector in our nearby Himachal belt has created a huge demand of skilled chemists in the area. To fulfill this requirement our institute has taken the initiative (first of its kind in North India) to start a skill- based Bachelor of Vocation course in Pharmaceutical Chemistry, which has the accreditation of Life Science Sector Skill Development Council (NSDC), GOI, New Delhi. The primary objective of the programme is to generate market-oriented, well- skilled and industry-ready students by exposing them to various techniques used in the different sectors such as Pharma, Food and Biotech Industries etc. We ensure the production of professional Lab Technicians and Quality Control Chemists as an output of our vocational course.

SEMESTER-I

B.VPC-111	Lab Management-I
B.VPC-112	General Chemistry
B.VPC-113	Introduction to Computers
B.VPC-114	Lab Management Practical-I
B.VPC-115	General Chemistry Practical
B.VPC-116	Introduction to Computer Practical
B.VPC-117	Industrial/Research Lab.Visit and Report
B.VPC-118	Workshop and Report
B.VPC-119A/B	Punjabi Compulsory or Mudla Gyan
B.VPC-120	English (Communication Skills)
SAE.1.1	Drug Abuse : Problem, Management and Prevention

SEMESTER-II

B.VPC-211	General Microbiology
B.VPC-212	Lab Management-II
B.VPC-213	Analytical Chemistry
B.VPC-214	General Microbiology Practical
B.VPC-215	Practical Paper Pertaining to B.VPC-212 & 213
B.VPC-216	Industrial/Research Lab.Visit and Report
B.VPC-217A/B	Punjabi Compulsory or Mudla Gyan
B.VPC-218	English (Communication Skills)
B.VPC-219	Seminar
B.VPC-220	Environmental and Road Safety Awareness
(SAE.1.2)	

SEMESTER-III

B.VPC-311	Organic Chemistry
B.VPC-312	Analytical Techniques-I
B.VPC-313	Analytical Techniques-II
B.VPC-314	Organic Chemistry Practical

B.VPC-315	Calibration and Applications of Analytical Instruments-I
B.VPC-316	Calibration and Applications of Analytical Instruments-II
B.VPC-317	Industrial/Research Lab. Visit & Report
B.VPC-318	Seminar
B.VPC-319A/B	Punjabi or Mudla Gyan
B.VPC-320	English (Communication Skills)

SEMESTER-IV

B.VPC-411	Pharmaceutical Microbiology
B.VPC-412	Analytical Techniques-III
B.VPC-413	Basic Chromatographic Techniques
B.VPC-414	Quality Control / Assurance
B.VPC-415	Pharmaceutical Microbiology Practical
B.VPC-416	Calibration and Applications of Analytical Instruments-III
B.VPC-417	Basic Chromatographic Techniques Practical
B.VPC-418	Seminar
B.VPC-419	Industrial / Research Lab. Visit & Report
B.VPC-420	Workshop & Report
B.VPC-421	Project / Industrial Training

SEMESTER-V

B.VPC-511	Analytical Skills
B.VPC-512	Pharmaceutical Laws & Regulations
B.VPC-513	Advanced Chromatographic Techniques
B.VPC-514	Pharmaceutical Inorganic Chemistry
B.VPC-515	Practical Pertaining to B.VPC-513
B.VPC-516	Practical Pertaining to B.VPC-514
B.VPC-517	Seminar
B.VPC-518	Workshop / Reports
B.VPC-519	Industrial Visit

SEMESTER-VI

Industrial Training



Master of Arts in English

Duration 4 Semesters (2 Years) Total Seats 30
Eligibility Graduate in any Stream

M.A. in English involves moving a step further into the realm of higher learning to enable the students to be considered as true professionals. Skills such as critical and creative thinking, project management, time management, communication, independent thinking as well as problem solving are best acquired and instilled when undertaking a master's degree in English. Education sector is major recruiter of M.A. graduates in Literature. Another option available to them is a career in journalism. Jobs are also available in various government agencies as Decoders, Interpreters and as Translators. They are also recruited as campaign managers and speech writers which require sophisticated writing skills in the government departments.

SEMESTER-I

- MAE 001 Introduction to Poetry : Medieval and Renaissance Poetry
MAE 002 Classical and Elizabethan Drama
MAE 003 Beginnings of the Novel
MAE 004 **One of the following options :**
(A) English Phonetics and Phonology
(B) William Shakespearean : From Stage to Screen
MAE 005 Seminar

SEMESTER-III

- MAE 011 Literature and Modernity
MAE 012 Twentieth Century Poetry and Fiction
MAE 013 Literature and Postcoloniality
MAE 014 **One of the following options:**
(A) Literature and Gender
(B) Creative Writing
(C) Modern Indian Literature in Translation
MAE 015 Seminar

SEMESTER-II

- MAE 006 Literary Criticism
MAE 007 Poetry from Neo-classical to Victorian Age
MAE 008 Nineteenth Century Fiction
MAE 009 **One of the following options :**
(A) Modern Drama
(B) South Asian Literature
(C) Modern English Grammar and Usage
MAE 010 Seminar

SEMESTER-IV

- MAE 016 Literary and Cultural Theory
MAE 017 European Drama
MAE 018 American Literature
MAE 019 **One of the following options:**
(A) Literature and Politics
(B) Literary Non-fiction
(C) Indian Writing in English
MAE 020 Seminar

Note : Availability of 'option' is subject to the number of students (more than 10).



Honours degree in English literature holds a distinct reputation of creating a wide range of opportunities for students once they successfully complete the course. This degree enables the students to go for English related jobs in various sectors such as Information Technology, Educational Institutions, Freelancing and Commercial Undertakings. Graduates can also find jobs in financial and legal firms. Various professions like publishing companies, advertising, marketing, public relation agencies, content writing, BPO's and multimedia organisations also recruit English Honours graduates with preference.

Bachelor of Arts Honours School in English

Duration 6 Semesters (3 Years) Total Seats 30
Eligibility Above 50% in 10+2 in any stream.

SEMESTER-I

BHE 101	British Poetry and Drama : 14th to 16th Century
BHE 102	British Poetry and Drama: 17th and 18th Century
BHE 103	Media and Communication Skills
GN101	Drug Abuse: Problems Management & Prevention
BHE(PBI)104A/104B	Punjabi Compulsory/ Mudhla Gyan (Elementary Punjabi)

SEMESTER-III

BHE 301	British Romantic Literature
BHE 302	British Literature 19 th Century
BHE 303	Women's Writings
BHE 304	Soft Skills
BHE 305	Gender and Human Rights
BHE 306	Technical Writing

SEMESTER-V

BHE 501	Modern European Drama
BHE 502	Post-Colonial Literature
BHE 503	Literary Criticism
BHE 504	Phonetics of English
BHE 505	Psychology

SEMESTER-II

BHE 201	British Literature(Prose & Fiction)18th Century
BHE 202	Indian Writing in English
BHE 203	Academic Writing and Composition
BHE(PBI)204A/204B	Punjabi Compulsory/ Mudhla Gyan (Elementary Punjabi)
BHE 205	Environmental Science

SEMESTER-IV

BHE 401	British Literature: The Early 20 th Century
BHE 402	Indian Classical Literature
BHE 403	American Literature
BHE 404	Business Communication
BHE 405	Language, Literature & Culture

SEMESTER-VI

BHE 601	European Classical Literature
BHE 602	Popular Literature
BHE 603	Literary Theory
BHE 604	Partition and Holocaust Literature
BHE 605	Psychology

Certificate Course in Spoken English

This course helps the students to enhance their communication skills in spoken English.

Duration One Academic Year, Eligibility 10+2 in any stream, Curriculum : Syllabus as prescribed by Pbi. University, Patiala



ਐਮ. ਏ. ਪੰਜਾਬੀ

ਸਮਾਂ 2 ਸਾਲ (4 ਸਮੈਸਟਰ)

ਕੁੱਲ ਸੀਟਾਂ 30

ਸਮੈਸਟਰ ਪਹਿਲਾ

ਕੋਰ ਕੋਰਸ-I(PUN-101): ਪੰਜਾਬੀ ਸਾਹਿਤ ਦਾ ਇਤਿਹਾਸ (ਆਦਿ ਕਾਲ ਤੋਂ ਮੱਧਕਾਲ)

ਕੋਰ ਕੋਰਸ-II(PUN-102): ਸਾਹਿਤ ਆਲੋਚਨਾ ਦੇ ਸਿਧਾਂਤ

ਇਲੈਕਟਿਵ ਕੋਰਸ-III: (PUN-103A): ਪੰਜਾਬੀ ਨਾਟਕ (i)

(PUN-103B): ਨਾਟਕਕਾਰ ਬਲਵੰਤ ਗਾਰਗੀ ਵਿਸ਼ੇਸ਼ ਅਧਿਐਨ(ii)

ਇਲੈਕਟਿਵ ਕੋਰਸ-IV: (PUN-104A): ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਕਾਵਿ (i)

(PUN-104B): ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਬਿਰਤਾਂਤਕ ਕਾਵਿ (ii)

ਇਲੈਕਟਿਵ ਕੋਰਸ-V: (PUN-105A): ਮੁੱਢਲੀ ਪੰਜਾਬੀ ਗਲਪ (i)

(PUN-105B): ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਗਲਪ (ii)

ਸਮੈਸਟਰ ਦੂਜਾ

ਕੋਰ ਕੋਰਸ-I(PUN-201): ਪੰਜਾਬੀ ਸਾਹਿਤ ਦਾ ਇਤਿਹਾਸ(ਆਧੁਨਿਕ ਕਾਲ)

ਕੋਰ ਕੋਰਸ-II(PUN-202): ਸਾਹਿਤ ਆਲੋਚਨਾ ਦੇ ਸਿਧਾਂਤ

ਇਲੈਕਟਿਵ ਕੋਰਸ-III: (PUN-203A): ਪੰਜਾਬੀ ਨਾਟਕ (i)

(PUN-203B): ਨਾਟਕਕਾਰ ਅਜਮੇਰ ਸਿੰਘ ਔਲਖ ਵਿਸ਼ੇਸ਼

ਅਧਿਐਨ(ii)

ਐਮ. ਏ. (ਪੰਜਾਬੀ) ਭਾਗ ਪਹਿਲਾ ਵਿਚ ਦਾਖਲੇ ਲਈ ਕਿਸੇ ਵੀ ਗ੍ਰੈਜੂਏਸ਼ਨ ਦੀ ਡਿਗਰੀ ਵਿਚੋਂ 50% ਅੰਕ ਪ੍ਰਾਪਤ ਕਰਨ ਵਾਲਾ ਵਿਦਿਆਰਥੀ ਪਾਤਰਤਾ ਰੱਖਦਾ ਹੈ। ਅਨੁਸੂਚਿਤ ਜਾਤੀ ਨਾਲ ਸੰਬੰਧਿਤ ਵਿਦਿਆਰਥੀਆਂ ਲਈ ਯੂਨੀਵਰਸਿਟੀ ਨਿਯਮਾਂ ਅਨੁਸਾਰ 5% ਅੰਕਾਂ ਦੀ ਰਾਹਤ ਹੈ। ਇਸ ਕੋਰਸ ਦੇ ਵਿਸ਼ਿਆਂ ਸੰਬੰਧੀ ਵੇਰਵਾ ਇਸ ਪ੍ਰਕਾਰ ਹੈ :

ਇਲੈਕਟਿਵ ਕੋਰਸ-IV: (PUN-204A): ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਕਾਵਿ (i)

(PUN-204B): ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਬਿਰਤਾਂਤਕ ਕਾਵਿ(ii)

ਇਲੈਕਟਿਵ ਕੋਰਸ-V: (PUN-205A): ਮੁੱਢਲੀ ਪੰਜਾਬੀ ਗਲਪ (i)

(PUN-205B): ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਗਲਪ (ii)

ਸਮੈਸਟਰ ਤੀਜਾ

ਕੋਰ ਕੋਰਸ-I(PUN-301): ਭਾਸ਼ਾ ਵਿਗਿਆਨ ਅਤੇ ਪੰਜਾਬੀ ਭਾਸ਼ਾ

ਕੋਰ ਕੋਰਸ-II(PUN-302): ਸੱਭਿਆਚਾਰ ਅਤੇ ਪੰਜਾਬੀ ਸੱਭਿਆਚਾਰ

ਇਲੈਕਟਿਵ ਕੋਰਸ-III: (PUN-303): ਗੁਰਮਤਿ ਕਾਵਿ (i)

(PUN-303A): ਸ੍ਰੀ ਗੁਰੂ ਨਾਨਕ ਦੇਵ ਜੀ ਵਿਸ਼ੇਸ਼ ਅਧਿਐਨ (ii)

ਇਲੈਕਟਿਵ ਕੋਰਸ-IV(PUN-304): ਪੰਜਾਬੀ ਵਾਰਤਕ

ਇਲੈਕਟਿਵ ਕੋਰਸ-V(PUN-305): ਸੂਫੀ ਤੇ ਬੀਰ ਕਾਵਿ

ਸਮੈਸਟਰ ਚੌਥਾ

ਕੋਰ ਕੋਰਸ-I(PUN-401): ਭਾਸ਼ਾ ਵਿਗਿਆਨ ਅਤੇ ਪੰਜਾਬੀ ਭਾਸ਼ਾ

ਕੋਰ ਕੋਰਸ-II(PUN-402): ਲੋਕਧਾਰਾ ਅਤੇ ਪੰਜਾਬੀ ਲੋਕਧਾਰਾ

ਇਲੈਕਟਿਵ ਕੋਰਸ-III: (PUN-403A): ਗੁਰਮਤਿ ਕਾਵਿ (i)

(PUN-403B): ਸ੍ਰੀ ਗੁਰੂ ਅਰਜਨ ਦੇਵ ਜੀ ਵਿਸ਼ੇਸ਼ ਅਧਿਐਨ (ii)

ਇਲੈਕਟਿਵ ਕੋਰਸ-IV(PUN-404): ਪੰਜਾਬੀ ਵਾਰਤਕ

ਇਲੈਕਟਿਵ ਕੋਰਸ-V(PUN-405): ਕਿੱਸਾ-ਕਾਵਿ

Master of Arts in History

Duration 4 Semesters (2 Years)

Total Seats 30

Eligibility: Graduation with 50% marks(45% for SC/ST students)

SEMESTER-I

His-101 Compulsory: History of the Punjab (1469-1675)

His-102 History of the World-I (1500-1815)

His-103 History of the World-II (1815-1871)

El-Paper-I

His-104(a) Opt. (1)History of China and Japan (1830-1911)

His-104(b) Opt. (2)History: Its Theory and Research

Methodology

SEMESTER-III

His-301 Compulsory: History of Punjab(1799-1849)

His-302 History of India (1707 - 1772)

His-303 History of India (1818-1947)

His-304 National Movement in India & Constitutional Development (1858-1930)

SEMESTER-II

His-201 Compulsory: History of the Punjab (1675-1799)

His-202 History of the World-I (1871-1919)

His-203 History of the Contemporary World-II(1919-1991)

El-Paper-I

His-204(a)Opt(1)History of China and Japan (1911-1949)

His-204(b)Opt(2)History: Its Theory and Research

Methodology

SEMESTER-IV

His-401 History of Punjab (1849-1947)

His-402 History of India (1772-1818)

His-403 Social and Economic History of Modern India (1818-1947)

His-404 National Movement in India & Constitutional Development(1930-1947)



Master of Arts in Hindi

हिन्दी हमारे देश की राष्ट्र भाषा है। समस्त भारत में इसे सम्पर्क भाषा के रूप में स्वीकार किया गया है। इसका ज्ञान हर नागरिक के लिए आवश्यक है। विद्यार्थी हिन्दी भाषा को अपना कर भविष्य उज्ज्वल कर सकते हैं। आधुनिक दौर में हिन्दी बैंकों, प्राइवेट कम्पनियों, बीपीओ, सरकारी कार्यालयों में इस भाषा का प्रयोग बहुतायत से हो रहा है अतः विद्यार्थी इस भाषा में स्नातकोत्तर की डिग्री हासिल करके अपना भविष्य खुशहाल बना सकते हैं। एम.ए. हिन्दी में प्रवेश पाने के लिए विद्यार्थियों को बी. ए. में 50% अंक प्राप्त करने आवश्यक है। अनुसूचित जाति से संबंधित विद्यार्थियों को विश्वविद्यालय के नियम के मुताबिक 5% अंकों की छूट है।

समैस्टर – पहला

प्रथम समैस्टर में विद्यार्थियों को कुल चार पेपरों का अध्ययन करना होगा, जिसमें से प्रथम तीन अनिवार्य होंगे। चौथे पेपर में तीन विकल्प होंगे, विद्यार्थी एक विकल्प चुनकर उसका अध्ययन करेगा। प्रत्येक पेपर की बाह्य परीक्षा के 75 अंक होंगे व 25 अंक विभागीय आंतरिक मूल्यांकन पर आधारित होंगे।

पेपर एक	:	मध्यकालीन हिंदी काव्य-1
पेपर दो	:	हिंदी भाषा : उद्भव और विकास
पेपर तीन	:	हिंदी साहित्य का इतिहास (1850 तक)
पेपर चार	:	वैकल्पिक अध्ययन
	:	1. हजारी प्रसाद द्विवेदी : विशेष अध्ययन
	:	2. पंजाब का हिंदी साहित्य
	:	3. हिंदी पत्रकारिता

समैस्टर – तीसरा

तीसरे समैस्टर में विद्यार्थियों को कुल चार पेपरों का अध्ययन करना होगा, जिसमें से प्रथम तीन अनिवार्य होंगे। चौथे पेपर में तीन विकल्प होंगे, जिनमें से विद्यार्थी एक विकल्प चुनकर उसका अध्ययन करेंगे। प्रत्येक पेपर की बाह्य परीक्षा के 75 अंक होंगे व 25 अंक विभागीय आंतरिक मूल्यांकन पर आधारित होंगे। तीसरे समैस्टर में प्रवेश के लिए पहले दो समैस्टरों में 50% पेपर पास होने अनिवार्य है।

पत्रों की रूपरेखा	
पेपर पहला	: आधुनिक हिन्दी काव्य-1
पेपर दूसरा	: भारतीय काव्यशास्त्र
पेपर तीसरा	: हिंदी गद्य साहित्य
पेपर चौथा	: वैकल्पिक अध्ययन :
	विकल्प 1. हिन्दी आलोचना और आलोचक
	विकल्प 2. कबीर : विशेष अध्ययन
	विकल्प 3. सूरदास: विशेष अध्ययन

समैस्टर – दूसरा

द्वितीय समैस्टर में विद्यार्थियों को कुल चार पेपरों का अध्ययन करना होगा, जिसमें से प्रथम तीन अनिवार्य होंगे। चौथे पेपर में तीन विकल्प होंगे, विद्यार्थी एक विकल्प चुनकर उसका अध्ययन करेगा। प्रत्येक पेपर की बाह्य परीक्षा के 75 अंक होंगे व 25 अंक विभागीय आंतरिक मूल्यांकन पर आधारित होंगे।

पेपर एक	:	मध्यकालीन हिंदी काव्य-2
पेपर दो	:	भाषा विज्ञान
तीन	:	हिंदी साहित्य का इतिहास (आधुनिक काल)
पेपर चार	:	वैकल्पिक अध्ययन
	:	1. हिन्दी कथा साहित्य
	:	2. पंजाब का हिन्दी साहित्य-2
	:	3. अनुवाद का सैद्धांतिक पक्ष

समैस्टर – चौथा

चौथे समैस्टर में विद्यार्थियों को कुल चार पेपरों का अध्ययन करना होगा, जिसमें से प्रथम तीन अनिवार्य होंगे। चौथे पेपर में तीन विकल्प होंगे, जिनमें से विद्यार्थी एक विकल्प चुनकर उसका अध्ययन करेंगे। प्रत्येक पेपर की बाह्य परीक्षा के 75 अंक होंगे व 25 अंक विभागीय आंतरिक मूल्यांकन पर आधारित होंगे।

पत्रों की रूपरेखा	
पेपर पहला	: आधुनिक हिन्दी काव्य-2
पेपर दूसरा	: पाश्चात्य काव्य-शास्त्र
पेपर तीसरा	: प्रयोजनमूलक हिन्दी
पेपर चौथा	: वैकल्पिक अध्ययन :
	विकल्प 1. हिन्दी उपन्यास साहित्य
	विकल्प 2. तुलसीदास (विशेष अध्ययन)
	विकल्प 3. पंजाबी गद्य साहित्य

"The method of political science is the interpretation of life; its instrument is insight, a nice understanding of subtle, unformulated conditions". Woodrow Wilson

MASTERS OF ARTS IN POLITICAL SCIENCE

Duration 2 Years (4 Semesters) Total Seats 30
Eligibility Graduation with 50% marks

MA in Political Science provides an opportunity to further develop your analytical, research and critical thinking skills. The advantages of MA Political Science are :

- After completing this programme you will find yourself better equipped to take competitive exams for joining civil services.
- It provides you with an advantage that can make you stand out from the crowd.
- MA can be a route to starting a career in government, law, business, public administration, research, political campaigning, working in non-profit sector and working for international organizations.
- MA can help you to start your teaching career at school or college level.
- It can be a stepping stone for pursuing Political Science at Ph.D. level.

SEMESTER-I

MAPOLSCI-101: Indian Political Thought-I
MAPOLSCI-102: Western Political Thought
MAPOLSCI-103: Indian Government & Politics
MAPOLSCI-104: Elective Papers

Any two of the following:

MAPOLSCI-104(I) International Politics
MAPOLSCI-104(II) South Asian Political Systems
(Pakistan, Sri Lanka, Nepal and Bangladesh)
MAPOLSCI-104(III) Globalisation and Its Impact on Political Systems
MAPOLSCI-104(IV) International Law
MAPOLSCI-104(V) Sikh Political Thought (1469 AD - 1708 AD)

SEMESTER-II

MAPOLSCI-201: Indian Political Thought-II
MAPOLSCI-202: Contemporary Issues in International Relations
MAPOLSCI-203: Liberal Political Theory
MAPOLSCI-204: Elective Papers
Any two of the following:
MAPOLSCI-204(I) Political Process in India
MAPOLSCI-204(II) Human Rights in International Relations
MAPOLSCI-204(III) Foreign Policy of US, Russia, China and Japan
MAPOLSCI-204(IV) International Organisations
MAPOLSCI-204(V) Political Sociology

SEMESTER-III

MAPOLSCI-301: Contemporary Political Thought
MAPOLSCI-302: Modern Political Analysis
MAPOLSCI-303: Punjab Politics
MAPOLSCI-304: Elective Papers

Any two of the following:

MAPOLSCI-304(I) : Foreign Policy of India
MAPOLSCI-304(II): Theory & Practice of Public Administration
MAPOLSCI-304(III): Theory and Practice of Diplomacy
MAPOLSCI-304(IV) : Political Parties and Pressure Groups in India
MAPOLSCI-304(V) : Politics of Developing Countries

SEMESTER-IV

MAPOLSCI-401: Political Theory
MAPOLSCI-402: Comparative Politics
MAPOLSCI-403: Political Ideologies
MAPOLSCI-404: Elective Papers
Any two of the following
MAPOLSCI-404(I): State Politics in India
MAPOLSCI-404(II): Research Methodology
MAPOLSCI-404(III): South Asia & World Politics
MAPOLSCI-404(IV): Third World in International Politics
MAPOLSCI-404(V): Women & Political Theory

Note : Availability of 'option' is subject to the number of students (more than 10).

Master of Arts in Economics

Duration-2 Years (4 Semesters)

Total Seats 30

Eligibility: B.A. / B.Com./B.Sc. Agricultures with 50% marks

The purpose of starting M.A. Economics is to enable the students to develop their acumen in economics rationally and logically so that they are able to use various economic concepts to the best of their ability. The programme of the study as given in the curriculum provides basic knowledge of various economic concepts, models, theories and their practical applications. The main emphasis of the department is to nurture graduates and post graduates as per the market demand. This programme also helps the students to face challenges while applying and appearing for interview for different job openings.

SEMESTER-I

Core Papers

ECO-101 Micro Economic Analysis-I

ECO-102 Macro Economic Analysis-I

ECO-103 Basic Quantitative Methods-I

Elective Papers: Any two papers, selecting one paper from each group:

Group-A

ECO-104(i) Economics of Growth and Development-I

ECO-104(ii) Economics of Demography-I

ECO-104(iii) Economics of Gender and Development-I

Group-B

ECO-105(i) Economics of Agriculture-I

ECO-105(ii) Economics of Industry-I

ECO-105(iii) Economics of Labour-I

ECO-105(iv) History of Economic Thoughts-I

SEMESTER-III

Core Papers

ECO-301 Political Economy of Development-I

ECO-302 Evolution and Structure of Indian Economy-I

ECO-303 Public Economics-I

Elective Papers: Any two papers, selecting one paper from each group:

Group-A

ECO-304(i) International Economics-I

ECO-304(ii) Computer Applications for Economists -I

ECO-304(iii) Regional Economics and Punjab Economy-I

Group-B

ECO-305(i) Money and Banking-I

ECO-305(ii) Theory of Statistics-I

ECO-305(iii) Mathematical Economics-I

ECO-305(iv) Econometrics-I

SEMESTER-II

Core Papers

ECO-201 Micro Economic Analysis-II

ECO-202 Macro Economic Analysis-II

ECO-203 Statistical Methods-I

Elective Papers: Any two papers, selecting one paper from each group:

Group-A

ECO-204-1 (i) Economics of Growth and Development-II

ECO-204-1 (ii) Economics of Demography- II

ECO-204-1 (iii) Economics of Gender and Development-II

Group-B

ECO-205-1 (i) Economics of Agriculture-II

ECO-205-1 (ii) Economics of Industry-II

ECO-205-1 (iii) Economics of Labour-II

ECO-205-1 (iv) History of Economic Thought-II

SEMESTER-IV

Core Papers

ECO-401 Political Economy of Development-II

ECO-402 Evolution and Structure of Indian Economy-II

ECO-403 Public Economics-II

Elective Papers: Any two papers, selecting one paper from each group:

Group-A

ECO-404-1 (i) International Economics-II

ECO-404-1 (ii) Computer Applications for Economists -II

ECO-404-1 (iii) Regional Economics and Punjab Economy-II

Group-B

ECO-405-1 (i) Money and Banking-II

ECO-405-1 (ii) Theory of Statistics-II

ECO-405-1 (iii) Mathematical Economics-II

ECO-405-1 (iv) Econometrics-II



N E W COURSES

B.Voc. (Sustainable Agriculture)

Duration 6 Semesters (3 years) with multiple exit options
Eligibility 10+2 in any stream Total Seats 50

B.Voc. (Industrial Microbiology)

Duration 6 Semesters (3 years) with multiple exit options
Eligibility 10+2 in any stream Total Seats 50

M.A. (Music Vocal)

Duration 4 Semesters (2 years)
Eligibility Graduation in any stream Total Seats 30

M.Sc. (Geography)

Duration 4 Semesters (2 years)
Eligibility Graduation with Geography Total Seats 30

P.G. Diploma in Yoga

Duration 2 Semesters (1 year)
Eligibility Graduation in any stream Total Seats 30

Add on Course in Virology

Duration 1 Year (2 Semesters) Total Seats 30
Eligibility 10+2 with PCB (Student must be enrolled in the Institute in any course.



Infrastructure

Library

Library is the life line of an educational institution. The spacious building of our library provides an opportunity to the students to enhance their knowledge. It has more than 43,209 titles covering almost every subject. Many (about 70+) National as well as International Journals, Magazines and Periodicals are subscribed. Nearly 20 newspapers in English, Punjabi and Hindi are also made available to the students.

The college library has got the distinction of being the first library in the region to be computerised. Using the Library Automated software, the entire activities concerning library stand automated. All our books are coded through software and are easily accessible through computers in the library. The support provided by library staff consists of Reprography services, Reference services, OPAC services, Circulation services and Referral services.

The college has acquired N-List Programme of INFLIBNET under which innumerable National and International Journals of repute and e-books are available to the students and faculty. Free and ready access to the internet for students and the faculty has made it possible for our college to reach higher and global levels of education research. Since the library is fully computerized and Wi-Fi enabled, facilities such as e-learning and reprography help to augment the teaching-learning process. The College Library is also connected with National Digital Library of India.



Computer Labs

The college has six fully Air Conditioned Computer labs having latest Core 2 Duo, i3 and i5 systems and Cyberoam firewall. All the labs are duly networked as per category-6 specifications. The college holds licensed versions of all the required software. Well-equipped computer labs and Wi-Fi campus ensure effective delivery of knowledge and information relevant to various courses.

Digital Language Lab

The college has established state-of-the-art Digital Language Lab in order to refine speaking, reading, writing and listening skills of the students in English Language. This software based digital lab, one of its kind in the area, is of great help to the students who want to improve their communication skills. This lab is used for the Certificate Course in Spoken English as well as for the teaching of M.A. classes. Various other departments of this college use this lab for imparting knowledge and improving communication skills.



Multipurpose Hall

The college has a spacious, modern hall well-fitted with adequate audio and visual systems located in the library complex. It is used for holding seminars, conferences, religious functions, inter-class competitions, inter-college functions etc. Local administration and some NGOs from the community also use this multipurpose hall for their programmes. In this way the hall also serves as a vehicle for establishing institution-community linkages.



Conference Hall

The college has a state-of-the-art Seminar-cum-Conference Hall with multimedia facilities and Overhead Projector system that encourage and support research initiatives and presentations among the students and faculty. The conference hall is the symbol of the institution's perpetual striving for improvement and regeneration.



Community Radio Station

A remarkable differentiating factor for the college is its Community Radio Station, which has the approval of Ministry of Information & Broadcasting, Government of India. The college has been sanctioned 90.8 MHz frequency for the transmission of programmes of general awareness and current relevance. There are also broadcasts pertaining to Academic, Cultural, Religious and Musical activities of the college. The programmes are created and broadcast by various departments of the college. This radio station has a range of about 40 Kilometers. Ours is the first college in the region to take the initiative of this unique venture.



Girls' Hostel

Sri Guru Teg Bahadur Khalsa College is an equal-opportunity college and has a strong commitment to gender equality. In 2014, the college opened a double storey Girls' Hostel to provide a safe and secure home away from home. It is generously outfitted with indoor and outdoor sports facilities, uninterrupted power supply, medical facility and 24 hours internet connectivity. The hostel premises are well-guarded and well-protected during and after college hours.



Science Labs

The college has advanced Science laboratories, well-furnished with modernistic and sophisticated equipments viz. Aspirator vacuum pump water jet type, Polarimeter, Polarograph, Analytical balance, Incubator, high quality binocular Microscopes, Laminar flow, Fume Hood, Autoclave, Hot air oven, Kjeldahl apparatus, G.M. Counter, C.R.O. (Two Beam), Spectrometer, Laser, Diffraction Grating, Newton's Ring Apparatus, Hall effect kit, BH Curve Kit, Frank - Hertz Kit, Curie Temperature Kit, A/D and D/A Converter Kit and Four Probe Kit etc.

Research Labs

The college has research labs to cater to the needs of the UG/PG students such as:

- (1) Physics Research Lab: Scintillation counter, Spin-Coating Unit, Spark Counter, Muffle Furnace, Temperature Controlled Etching Bath, Pico-ammeter, Electric Measurement Thin Film Sample Holder.
- (2) Agriculture Research Lab : Poly House and Green House.
- (3) Chemistry Research Lab: UV-Visible Spectrophotometer (Double beam), FTIR.
- (4) Botany Research Lab: Electrophoretic Unit, Oven, Seed Germinator, BOD incubator, Microtome, Photo-microscope with Camera and Computer attached.

Research Project(DAE-BRNS)

Board of Research in Nuclear Sciences has granted a research project of approximately 32 lacs to investigate the Effect of Cyclic use of Fertilizers on the Radioactivity content and Radon Exhalation from the agricultural soils of Patiala and Fatehgarh Sahib, Punjab. Dr. Vimal Mehta and Dr. Deepshikha of Physics department are jointly handling the project.

Shade Net House

The department of Agriculture has established a naturally ventilated shade-net house equipped with drip irrigation system including foggers. It is used for growing exotic crops (red and yellow capsicum, strawberry, purple cauliflower, broccoli, stevia and sweet corn etc.). These crops are organically grown. Due to congenial conditions, the yield is more and the quality is better.



Transport Facility

The college has a fleet of ten buses for enabling the girl students to commute safely from nearby villages and small towns. This facility is available for the students coming from Nangal, Ropar, Nurpur Bedi, Kiratpur Sahib, Nalagarh and their neighbouring areas.

Integrated Institutional Management Software

In order to streamline the working of the college office and to make it more effective, Integrated Campus Management Software of Solitaire Infosys has been installed. All the data pertaining to students, faculty, fee structure, time table, accounting etc. has been computerised. It is worth mentioning that the college is the first in the region to take this initiative.

Digital Campus

The College has had Digital Campus since 2012. Reliance Jio company established 4G Wi-fi network in order to provide better internet connectivity to staff and students. All the labs have internet connectivity. To help students search for study material concerning their courses a separate facility for internet surfing is also provided in the college library.

Agriculture Research Project (DST, GOI)



Some Special features of Department of Agriculture:

- * Shade Net
- * Mushroom Production Unit
- * Drip Irrigation System
- * Soil Analysis
- * Nutrient Film Technique
- * Agrometrology Observatory

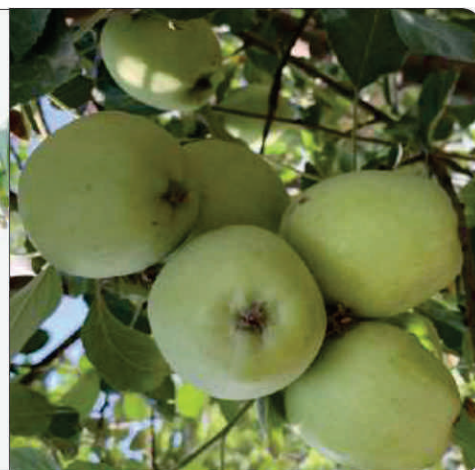
In the Department of Agriculture, various research projects and farmer extension services are carried out very enthusiastically. The Project entitled “Economic upliftment of low income farmers through exotic vegetable production” is successfully running at Jindwari Farm, in an area of 1000 sq. meter in Open Ventilated Shade-net house, which is equipped with drip irrigation system. In addition, there is a 2000sq. meter of land for open field research. This project is funded by Ministry of Science & Technology Govt of India (Seed Division) and sum of Rs 32,96,700/- (Rupees Thirty Two Lakh Ninety Six Thousand Seven Hundred only) has been allocated for a duration of three years. The main motive of this project is to help the low income farmers by giving them complete knowledge of package and practices of exotic vegetables (vegetables of foreign origin). This can help to make them economically strong by fetching high selling price for their produce in market. Under this project the department has successfully cultivated and marketed selected exotic vegetables in accordance with the geographical and climatic conditions of Punjab. The cultivation of broccoli, seedless cucumber, cherry tomato, brussels sprout, Chinese cabbage, red cabbage, leafy and heading type of lettuce is carried out successfully. In addition, the seed production of Flowers like Lupin and Antirrhinum is also proved to be successful under open conditions. Different seedless varieties of cucumber are also tested for comparative performance in terms of yield time to time. Recently the department has established apple orchard which is proving to be a worth learning experience for students and farmers.



Mushroom Farming



Banana Crop (G-9)



Apple (Low chilling)

BARC sponsored Radon Geo-station

Bhabha Atomic Research Centre has initiated a national project entitled "setting up of a solar powered Indian Network for Detection of Radon Anomaly towards Seismic Alert (INDRA-SA)" for which a standalone, Solar powered Radon Geo-Station has been developed. This helps in determining seismic activities of the area. The selection of college premises as a site for the Geo-Station has made us a part of the significant and prestigious national level project.



Armed Forces & Allied Services Preparatory Academy

Sri Guru Teg Bahadur Armed Forces & Allied Services Preparatory Academy was inaugurated on November 16, 2018 to commemorate the Golden Jubilee Year of the college.



Objectives:

- * To develop the qualities of leadership with emphasis on character building.
- * To prepare the students for entry into Armed Forces.

Methodology:

- * Special Coaching Classes in every academic session.
- * Crash Courses in Summer and Winter Vacations.



Publication Bureau

Recently the college has set up its own publication bureau under the patronage of Principal Dr. Jasvir Singh. The department of Religious Studies has been publishing Research Journal of Religious Studies (ISSN: 2454-8995) since 2015. It is setup to cater to the publication needs of the college in terms of highlighting its academic achievements through research journals and books. It also provides quality text books to students. The Publication Bureau is committed to provide excellently printed high-quality books to students at low cost.





The college has to its credit many distinctions in the field of sports. It takes pride in its long history of earning a good name in the field of weight lifting and power lifting at Inter University level as well as in Punjabi University Inter College competitions. For all the achievements made and to be made, the college has effective sports infrastructure. A stadium with 400 metre track, a well equipped gymnasium, basket ball, football, badminton and hockey grounds help the students not only to polish their sports skills but also to be physically fit and mentally alert. The performance of our students/ teams in All India Inter University competitions has been extremely good. Many students have won gold medals in various events. This year Men's Kabaddi team (National Style) secured 2nd position and Women's Kabaddi team (National Style) secured 3rd position in Inter College competitions, Punjabi University, Patiala. Our college athlete Saurabh (PGDCA Sem-2nd) bagged Gold medal in 5000 meters and athletes Mandeep Singh (B.Voc. F.P. 4th Sem), Mandeep Singh (B.Voc. S.D. 2nd Sem), Narinder Singh (B.Voc. H&T 2nd Sem), Ravi (B.A. 2nd Sem) of our college won gold medals in 4x100 meter relay race. Our college athlete Sunny (B.A. 2nd Sem) bagged gold medal in Pole Vault Jump. College team won bronze medal in Wrestling. Teams of our college also won Gold and Bronze medals in Judo competition. Overall performance of our students in different games and competitions during 17th Khalsai Games was remarkable as always.



Extra-Curricular Activities

General Tutorial System

The system of holding tutorial classes is followed in the college, under which tutorials are conducted once every month. The motive behind this system is to provide a platform to the students to air their grievances in free atmosphere. It also inculcates positive approach and clarity of thinking among the students. The tutors act as personal counsellor-cum-moral guides to the assigned group of students. Suggestions / feedback given by the students during these tutorial classes are redressed immediately. This helps in improving the quality of education and that of administration while inculcating better teacher-taught relationship.

National Service Scheme(NSS)

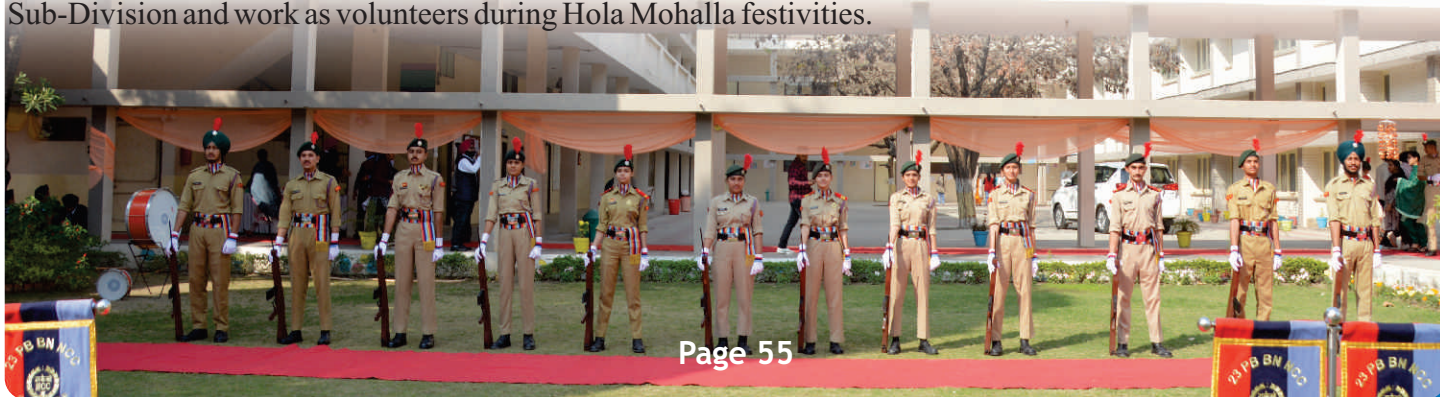
Three units of NSS, comprising 100 volunteers each, are working effectively and actively in the college. The very purpose behind encouraging students to join NSS is to develop feeling of volunteerism in them. NSS provides a platform to the students to pay back the debt to the society and feel sensitized about different social issues. Students of all classes can enrol themselves as NSS volunteers. Those opting for this opportunity not only become socially responsible citizens but also get additional weightage at the time of placement as well as admission to higher classes. NSS units of the college hold regular camps. Punjabi University selected this college as the 'Best College' in NSS activities during 2013-14. Our College was the chosen venue for Inter College NSS Camp (Punjabi University, Patiala) during January 2017. During the session 2020-21 & 2021-22 NSS volunteers were selected for Pre-RD Camp.



National Cadets Corps(NCC)

In order to inculcate character, discipline and patriotism among students, the college has an NCC unit (Army Wing) comprising of 100 cadets. The drills and training that cadets undergo as part of NCC activities encourage them to be more disciplined and devoted citizens. It also serves as preliminary preparation for those interested in pursuing their career in Defence Services.

NCC cadets also participate during Independence Day and Republic Day celebrations of Anandpur Sahib Sub-Division and work as volunteers during Hola Mohalla festivities.



College Magazine: To inculcate in the students the lofty values of concentration of thought and idea, and to explore their creativity, the college has its own magazine "Anand-Jyoti". This is an excellent platform for budding writers and poets to display their abilities by writing short stories, essays, poems and meaningful & informative articles. The magazine has different sections on Punjabi, Hindi, English, Religious Studies, Cultural Aspects, Commerce, Science, computer Science and College News. The students also get a pictorial view of the progress in sports and cultural events like music, debates, dramas, folk items and seminars.



Women's Cell: We believe in inculcating the questioning of conventional and conservative opinions that are insensitive and restricting to both men and women. We have a well placed Women's Forum to address critical and challenging issues, especially concerning girl students.

Book Bank: The college library provides Book Bank facility under which books are issued to the students for longer duration.

Grievance Redressal System:

1. Tutorial Classes
2. Suggestion Box
3. Direct teacher-pupil interface

Red Cross Unit:

We have a pro-active Youth Red Cross Unit which organises Comprehensive Youth Development Competitions and humanitarian activities during each academic session. These activities are inspired by the objective to promote selfless service and humanitarian values among students so that they learn to have respect and compassion for other human beings.



Cultural Activities: For multi-dimensional development of students, social life is as important as their academic life. Therefore it is our persistent concern to provide a stimulating, interactive and culturally rich learning environment to the students. To make their education an enriching and wholesome experience, the students are encouraged to explore their hidden talents by participating in various cultural and literary competitions. Students who engage in extra-curricular activities are exposed to a wide range of experiences such as debate, poetry recitation, quiz, drama, painting, singing, folk dances and folk arts etc. They get plenty of opportunities to showcase their artistic selves. During session 2021-22 at Inter-college level our college students bagged first positions in various items such as Ghazal, Giddha, Folk Song, Classical Vocal and Group Shabad and at Inter-zonal level our students won first positions in the following items : Vaar Gayan, Kali Gayan, Ghazal and Jhumar etc. One of our college students Loveleen Kaur won Gold Medal in Ghazal recital at both Inter-College and Inter-Zonal levels.



Administrative Personnel

Deans & Administrative Personnel

1. Vice Principal	- Dr. Maninderjeet Kaur	- 9878085821
2. Dean Academics	- Dr. Manjeet Singh	- 9914019385
3. Dean Sciences	- Dr. Deepshikha	- 9855760699
4. Dean Cultural Affairs	- Mr. Harjinder Singh	- 9815623527
5. Dean Student Welfare	- Mr. Harjinder Singh	- 9815623527
6. Dean Research & Innovation	- Dr. Vimal Mehta	- 9855460699
7. Bursar	- Dr. Ravinder Singh Rekhi-	9463366136
8. Registrar / Controller (House Exams)	- Dr. Malkeet Singh	- 9878222473
9. Dean Placement	- Mr. Prabhjit Singh	- 9417024654
10. Convener Guru Gobind Singh Study Circle	- Dr. Paramjit Kaur	- 8146526775
11. Convener IQAC	- Dr. Sangeet Kumar	- 8427822077
12. Chief Tutor - Girls	- Dr. Paramjit Kaur	- 8146526775
13. Chief Tutor - Boys	- Dr. Manjeet Singh	- 9914019385

Clubs & Societies

The college has set up various clubs and societies with an explicit purpose of multidimensional personality development of the students. These are supposed to work round the year and organise different activities in order to provide a platform to the student to showcase their talents.

Club/Society

- Agriculture & Environment Society
- Blood Donors' Association
- Botanical Society
- Commerce and Management Forum
- Computer Society
- English Literary Society
- Folk Dance Club
- Gurmat Vichar Manch
- Hindi Sahit Sabha
- History Association
- Music Society
- Punjabi Sahit Sabha
- Red Cross Society
- Science Club
- Sports Club

Teacher-in-Charge

- Dr. Amandeep Kaur
- Mr. Dilsher Bir Singh
- Dr. Ravi Kant
- Dr. Manjeet Singh
- Dr. Surender Kumar
- Dr. Gurpreet Kaur
- Mr. Harjinder Singh
- Dr. Paramjit Kaur
- Dr. Malkeet Singh
- Dr. Ravinder Singh Rekhi
- Mr. Jagpinder Pal Singh
- Mr. Harjinder Singh
- Dr. Baljit Singh
- Dr. Randev Singh Sandhu
- Dr. Ravinder Singh Rekhi

Faculty

Principal Dr. Jasvir Singh M.A., M.Phil., Ph.D.

P.G. Department of English

1. Dr. Darshan Pal M.A., M. Phil., Ph.D.
2. Dr. Gurpreet Kaur M.A., Ph.D.
3. Ms. Parvinder Kaur M.A., UGC-NET
4. Mr. Dilsher Bir Singh M.A., UGC-NET
5. Dr. Baljeet Singh M.A. M.Phil., Ph.D.
6. *To be appointed*

P.G. Department of Punjabi

1. Mr. Harjinder Singh M.A., M. Phil.
2. Dr. Gurpreet Kaur M.A., Ph.D.
3. Mr. Ravinder Singh M.A., M.Phil., UGC-NET
4. Mr. Sukhwinder Singh M.A., M.Phil., UGC-NET
5. *To be appointed*

P.G. Department of Hindi

1. Dr. Malkeet Singh M.A., M.Phil. Ph.D.
2. *To be appointed*

P.G. Department of History

1. Dr. Ravinder Singh Rekhi M.A., Ph.D.
2. *To be appointed*

P.G. Department of Political Science

1. Dr. Sunita Rani M.A., M.Phil., Ph.D.
2. Dr. Veerpal Singh M.A., M.Phil., UGC-NET, Ph.D.

Department of Journalism & Mass Comm.

1. *To be appointed*

Department of Economics

1. Dr. Shaveta Kaushal M.A., M.Phil., Ph.D.

Department of Physical Education

1. Mr. Ashok Kumar M.A., B.P.Ed., M.P.Ed., UGC-NET
2. *To be appointed*

Department of Religious Studies

1. Dr. Paramjeet Kaur M.A., M.Phil., Ph.D.

Department of Music (Vocal)

1. *To be appointed*

Department of Defence Studies

1. Mr. Sandeep Kumar M.A., UGC-NET

Department of Gurmat Sangeet

1. Mr. Jagpinder Pal Singh M.A., UGC-NET

Department of Fine Arts

1. Ms. Prabhjot Kaur M.A., UGC-NET

Department of Geography

1. *To be appointed*

P.G. Department of Chemistry

1. Dr. Maninderjeet Kaur M.Sc., Ph.D.
2. Dr. Mandeep Kaur M.Sc., CSIR-NET, Ph.D.
3. Dr. Gagandeep Kaur M.Sc., Ph.D.
4. Dr. Harpreet Kaur M.Sc., GATE, Ph.D
5. Dr. Avtar Singh M.Sc., CSIR-NET, GATE, Ph.D.
6. Dr. Amandeep Saroa M.Sc., CSIR- NET, Ph.D.
7. Ms. Sharanjeet Kaur M.Sc., UGC-NET
8. *To be appointed*

P.G. Department of Physics

1. Dr. Randev Singh M.Sc., M.Phil., Ph.D.
2. Dr. Vimal Mehta M.Sc., M.Phil., CSIR-NET, Ph.D.

3. Dr. Deep Shikha M.Sc., M.Phil., CSIR-NET, Ph.D.

4. Dr. Devinder Singh M.Sc., Ph.D.

5. Dr. Amrit Singh M.Sc., Ph.D.

6. *To be appointed*

7. *To be appointed*

P.G. Department of Mathematics

1. Ms. Bharti Kapoor M.Sc., CSIR-NET
2. Dr. Sangeet Kumar M.Sc., CSIR-NET, Ph.D.
3. Mr. Darpan Sood M.Sc., M.Phil., CSIR-NET
4. Dr. Mandeep Kaur M.Sc., M.Phil., CSIR-NET, Ph.D.

5. *To be appointed*

P.G. Department of Botany

1. Dr. Rajbir Kaur M.Sc., CSIR-NET, Ph.D.
2. Dr. Ravi Kant M.Sc., M.Phil., Ph.D.
3. Dr. Sartaj Singh M.Sc., CSIR-NET, Ph.D.
4. *To be appointed*

P.G. Department of Zoology

1. Dr. Amandeep Kaur M.Sc., Ph.D.

P.G. Department of Commerce & Management

1. Dr. Manjeet Singh M.Com., M.Phil., Ph.D.
2. Mr. Prabhjit Singh M.Com., M.Phil.
3. Dr. Baljit Singh M.Com. M.Phil., Ph.D.
4. Dr. Navjeet Kaur M.Com., UGC-NET, Ph.D.
5. Ms. Manpreet Kaur M.Com., UGC-NET
6. Ms. Poonam M.Com., UGC-NET
7. Dr. Parampreet Singh M.Com., Ph.D.
8. Dr. Hardeep Kaur M.Com., UGC-NET, Ph.D.
9. Ms. Ramnik Kaur M.Com., UGC-NET
10. Mr. Jatinder Singh M.B.A., UGC-NET
11. Mr. Kamaljeet Singh M.Sc HMCTT.,

Master in Tourism Management

12. Mr. Gurpreet Singh M.B.A.

P.G. Department of Computer Science

1. Dr. Surender Kumar M.Tech., M.Phil., Ph.D
2. Ms. Tajinder Kaur M.Tech., UGC-NET
3. Ms. Paramjeet Kaur M.Tech., UGC-NET
4. Ms. Amandeep Kaur M.Sc., M.Phil., UGC-NET
5. *To be appointed*

Department of Agriculture

1. Dr. Surender Bhan M.Sc., Ph.D.
2. Dr. Jivan Parkash Saini M.Sc., Ph.D.
3. Dr. Brij Mohan Sharma M.Sc., Ph.D.
4. Dr. Pawan Kumar Mehta M.Sc., Ph.D.
5. Dr. Krishan Kumar M.Sc., Ph.D.
6. Dr. R.P Kaushik M.Sc., Ph.D.
7. Dr. S.K. Subehia M.Sc., Ph.D.
8. Dr. J. S. Guleria M.Sc., Ph.D.
9. Dr. Jahnvi Shekhar M.Sc., Ph.D.
10. Ms. Bhawna Thakur M.Sc., ICAR-NET
11. Mr. Kamal Kumar M.Sc., ICAR-NET
12. Mrs. Gurbinder Kaur M.Sc., ICAR-NET
14. *To be appointed*

Department of Food Processing

1. *To be appointed*

Office Staff

1. S. Prem Singh Superintendent
2. S. Jagjit Singh Accountant
3. S. Mandeep Singh Clerk
4. Mrs. Simranjeet Kaur Accounts Clerk
5. S. Pardeep Singh Data Entry Operator
6. Sh. Naveen Kumar Accounts Clerk
7. S. Ravinder Pal Singh Clerk cum Record Keeper
8. Mrs. Daljeet Kaur Clerk
9. S. Charanjit Singh Helper

Laboratory Staff

1. S. Jasvir Singh SLA
2. S. Tejinder Singh SLA
3. S. Jarnail Singh JLA
4. S. Devinder Singh JLA
5. S. Sohan Singh Computer Lab Asstt.
6. S. Gurdeep Singh LA
7. S. Jang Bahadur Singh LA
8. S. Harjinder Singh LA
9. Sh. Rakesh Kumar LA
10. Sh. Sachin Kumar LA
11. S. Surinder Singh LA

Library Staff

1. Mrs. Mandeep Kaur Librarian
2. S. Sohan Singh Library Restorer
3. S. Parmjit Singh Assistant Librarian
4. S. Lakhvir Singh Assistant Librarian
5. Sh. Shyam Sunder Lib. Attendant

Sports Staff

1. S. Gurdev Singh Kabaddi Coach

Sevadar/Mali & Others

1. S. Ram Singh Sevadar
2. Mrs. Monika Verma Sevadar
3. Sh. Amar Chand Mali
4. S. Sukhdev Singh Mali
5. S. Gurmit Singh Sweeper
6. Smt. Surinder Kaur Sweeper
7. S. Davinder Singh Sweeper
8. Smt. Naresh Kumari Sweeper
9. Mrs. Usha Devi Sweeper
10. S. Jaswant Singh Watchman
11. Sh. Darshan Kumar Watchman
12. S. Gurnam Singh Gateman
13. S. Hardev Singh Security Guard
14. S. Inderjeet Singh Security Guard
15. S. Tarsem Singh Electrician
16. S. Gurcharan Singh Groundman
17. Smt. Veena Devi Sevadar

Drivers

1. S. Balwinder Singh Driver
2. S. Jaswinder Singh Driver
3. S. Major Singh Driver
4. S. Yadwinder Singh Driver
5. S. Shiv Singh Driver



College Luminaries...



Shivani Dharmani
M.Sc. (Mathematics), Sem-4
(95.00 CGPA) Merit List



Diksha Saini
M.Sc. (Chemistry), Sem-4
(94.07 CGPA) Merit List



Seetla
M.Sc. (Chemistry), Sem-4
(94.02 CGPA) Merit List



Pallavi
B.Sc. (Hons.) Chemistry, Sem-6
(93.04 CGPA) Merit List



Bhupinder Kaur
P.G.D.C.A., Sem-2
(93.1 CGPA) Merit List



Jasmeen Kaur Bedi
M.Sc. (Physics), Sem-4
(92.6 CGPA) Merit List



Amandeep Kaur
M.Sc. (Chemistry), Sem-4
(92.8 CGPA) Merit List



Neha Sharma
M.Sc. (Mathematics), Sem-4
(91.07 CGPA) Merit List



Rishav Kumar Sharma
M.Sc. (Botany), Sem-4
(91.07 CGPA) Merit List



Anjali Kondal
M.Sc. (Chemistry), Sem-4
(91.07 CGPA) Merit List



Nisha Sharma
B.Sc. (Hons.) Chemistry, Sem-6
(91.04 CGPA) Merit List



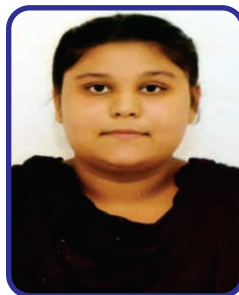
Shruti Khanna
M.Sc. (Chemistry), Sem-4
(90.4 CGPA) Merit List



Manpreet Kaur
M.A. (History), Sem-4
(90.00 CGPA) Merit List



Sandhya
M.Sc. (Mathematics), Sem-4
(89.04 CGPA) Merit List



Komalpreet Kaur
M.Sc. (Botany), Sem-4
(89.00 CGPA) Merit List



Nitika
M.Sc. (Physics), Sem-4
(88.6 CGPA) Merit List

Campus Life-1



Principal Dr. Jasvir Singh and Staff members welcoming
Advocate S. Harjinder Singh Dhama, President,
Shiromani Gurudwara Parbandhak Committee, Sri Amritsar.



Prof. Arvind, Vice Chancellor, Punjabi University, Patiala being
welcomed in the college by Principal Dr. Jasvir Singh on the occasion
of 25th Punjab Science Congress.



Prof. Ashok Kumar, Head, Department of Physical Education
taking pledge after flag lowering ceremony during Annual
Athletic Meet.



Memorable moments of Alumni Meet (April 9, 2022).



Winners of Nukkar Natak with Silver Medals at Inter-zonal Youth
Festival, Punjabi University, Patiala.



Inauguration of Inter College Weightlifting(M/W)
Championship (November 8-10, 2021)

Campus Life-2



Inspection team of Agriculture Department with Principal Dr. Jasvir Singh and staff members.



Principal Dr. Jasvir Singh & Staff members honouring Principal Surinder Singh (Member, College Governing Body) on being elected Junior Vice President of Shiromani Gurudwara Parbandhak Committee, Sri Amritsar.



College Giddha Team in a celebratory mood after being awarded with Gold Medals at Inter-zonal Youth Festival, Punjabi University, Patiala.



Dr. Daljit Singh Cheema, Honorary Secretary, College Governing Body being welcomed by Principal Dr. Jasvir Singh & staff members on the occasion of Annual 52nd Athletic Meet.



Bhai Amarjit Singh Chawla (Member, S.G.P.C. & College Governing Body), Principal Dr. Jasvir Singh, staff members and others welcoming Vishal Dastar March (April 13, 2022).



Jhoomer Team and other students of the college receiving medals and Victory Trophy from Prof. Arvind, Vice Chancellor, Punjabi University, Patiala at Inter-zonal Youth Festival.

Admission Schedule

Sr. No.	Name of the Course	Last date of Admission (Without late fee)
1.	B.A.	15th July 2022
2.	B.Sc. (Medical)	15th July 2022
3.	B.Sc. (Non Medical)	15th July 2022
4.	B. Sc. (Honours) Agriculture	15th July 2022
5.	B.Com (Honours)	15th July 2022
6.	B.Com.	15th July 2022
7.	B.Com. (Accounting & Finance)	15th July 2022
8.	B.B.A.	15th July 2022
9.	B.C.A.	15th July 2022
10.	M.Sc. Artificial Intelligence & Data Science	15th July 2022
11.	M.Sc. Chemistry	15th July 2022
12.	M.Sc. Physics	15th July 2022
13.	M.Sc. Mathematics	15th July 2022
14.	M.Sc. I.T.	15th July 2022
15.	M.Sc. I.T. (Lateral Entry)	15th July 2022
16.	M.Sc. Botany	15th July 2022
17.	M.Sc. Zoology	15th July 2022
18.	M.Sc. Geography*	15th July 2022
19.	M. Com.	15th July 2022
20.	M.A. History	15th July 2022
21.	M.A. Punjabi	15th July 2022
22.	M.A. Hindi	15th July 2022
23.	M.A. English	15th July 2022
24.	M.A. Pol. Sci.	15th July 2022
25.	M.A. Economics	15th July 2022
26.	M.A. Music Vocal*	15th July 2022
27.	B.Sc. (Hons.) Physics	15th July 2022
28.	B.Sc. (Hons.) Chemistry	15th July 2022
29.	B.Sc. (Hons.) Mathematics	15th July 2022
30.	B.Sc. (Hons.) in A.I. & D.S.	15th July 2022
31.	B.A. (Hons.) School in English	15th July 2022
32.	B.Voc. Software Development	15th July 2022
33.	B.Voc. Food Processing	15th July 2022
34.	B.Voc. Retail Management	15th July 2022
35.	B.Voc. Hospitality & Tourism	15th July 2022
36.	B.Voc. Pharmaceutical Chemistry	15th July 2022
37.	B.Voc. Sustainable Agriculture	15th July 2022
38.	B.Voc. Industrial Microbiology	15th July 2022
39.	P.G.D.C.A.	15th July 2022
40.	Diploma in Computer Application	15th July 2022
41.	P.G. Diploma in Yoga	15th July 2022
42.	Diploma Course in Comp. Hardware & Netw.	15th July 2022
43.	Certificate Course in Web Designing	15th July 2022
44.	Add-on Certificate Course in Virology	
45.	Add-on Certificate Course in Spoken English	

* New Courses

The above schedule / dates may change as per the instructions of college academic council or the directions of the Principal

Separate Prospectus is available **online** for admission to B.A. and B.Sc.(Med. and Non-Med.) Classes

Last date of Admission (with late fee)

1. 25th July 2022 : Rs. 500/- with the Principal's permission.
2. 3rd August 2022 : Rs. 1000/- with the Principal's permission.
3. 10th August 2022 : Rs 1500/- with the Principal's permission.
4. 16th August 2022 : Rs 2000/- with the approval of Academic Council

Academic Calendar

Commencement of Teaching:

Odd Semester :

U.G. Courses - 18th July 2022

P.G. Courses - 18th July 2022

Academic Term I : 18th July 2022 to
2nd December 2022

Even Semester :

U.G. Courses - 9th January 2023

P.G. Courses - 9th January 2023

Academic Term II : 9th January 2023 to
12th May 2023

Examination Schedule

Odd Semester

(End Semester Exams/Final Practicals):

U.G. Courses - 6th December 2022

P.G. Courses - 6th December 2022

Even Semester :

(End Semester Exams/Final Practicals):

U.G. Courses - 16th May 2023

P.G. Courses - 16th May 2023

Semester Vacation

Academic term I: Winter Break

24th December 2022 to 7th January 2023

Academic term II: Summer Break

3rd June 2023 to 2nd July 2023

(The Vacation Schedule may change)

Fee Structure

Class (Year Wise)	Sem-I *N.S.	Sem-I **O.S.	Sem-II	Sem-III	Sem-IV	Sem-V	Sem-VI	Sem-VII	Sem-VIII
1. B.Sc. Honours Agriculture	26290	24860	20850	23860	20850	23860	20850	24360	20850
2. B.Com. General	18490	17060	13600	16060	13600	16560	13600	-	-
3. B.Com. Honours	18490	17060	13600	16060	13600	16560	13600	-	-
4. B.Com. Accounting & Finance	18340	16910	13450	15910	13450	16410	13450	-	-
5. B.B.A.	18490	17060	13600	16060	13600	16560	13600	-	-
6. BCA	18490	17060	13600	16060	13600	16560	13600	-	-
7. M.Sc. (A.I.&D.S.)	20540	19110	15000	18460	15000	-	-	-	-
8. M.Sc. Chemistry	24990	23560	20150	22560	20150	-	-	-	-
9. M.Sc. Mathematics	16840	15410	12000	14410	12000	-	-	-	-
10. M.Sc. Physics	22390	20960	17150	19960	17150	-	-	-	-
11. M.Sc. Botany	22390	20960	17150	19660	17150	-	-	-	-
12. M.Sc. Zoology	22240	20810	17000	19810	17000	-	-	-	-
13. M.Sc. (IT)	20540	19110	15000	18460	15000	-	-	-	-
14. M.Sc. (IT) Lateral Entry	-	-	-	22340 (20910)	16500	-	-	-	-
15. M.Sc.(Geography)***	16840	15410	12000	-	-	-	-	-	-
16. M.Com	20290	18860	15150	17860	15150	-	-	-	-
17. M.A. Punjabi	12490	11060	9650	10060	9650	-	-	-	-
18. M.A. English	12490	11060	9650	10060	9650	-	-	-	-
19. M.A. Hindi	12490	11060	9650	10060	9650	-	-	-	-
20. M.A. History	12490	11060	9650	10060	9650	-	-	-	-
21. M.A. Political Science	12490	11060	9650	10060	9650	-	-	-	-
22. M.A. Economics	12340	10910	9500	9910	9500	-	-	-	-
23. M.A. Music Vocal***	12890	11460	10050	-	-	-	-	-	-
24. B.Sc. Honours In Chemistry	15690	14260	11150	13860	11150	13860	11150	-	-
25. B.Sc. Honours In Physics	14490	13060	11150	12660	11150	12660	11150	-	-
26. B.Sc. Honours In Mathematics	14730	13300	11390	12900	11390	12900	11390	-	-
27. B.Sc. Hons.(A.I.&D.S.)	15540	14110	11000	13710	11000	13710	11000	-	-
28. B.A. Hons. School in English	12990	11560	9150	11160	9150	11160	9150	-	-
29. B.Voc. Software Development	13940	12510	10400	11360	10400	11360	10400	-	-
30. B.Voc. Food.Processing	13940	12510	10400	11360	10400	11360	10400	-	-
31. B.Voc. Hospitality & Tourism	13790	12360	10250	11210	10250	11210	10250	-	-
32. B.Voc. Retail Management	13940	12510	10400	11360	10400	11360	10400	-	-
33. B.Voc. Pharmaceutical Chemistry	13790	12360	10250	11210	10250	11210	10250	-	-
34. B.Voc. Industrial Microbiology***	13790	12360	10250	-	-	-	-	-	-
35. B.Voc. Sustainable Agriculture***	13790	12360	10250	-	-	-	-	-	-
36. PGDCA	11940	10510	9000	-	-	-	-	-	-
37. DCA (Diploma in Comp. App.)	13790	12360	10250	-	-	-	-	-	-
38. P.G. Diploma in Yoga***	13790	12360	10250	-	-	-	-	-	-
39. Diploma Course in Computer. H.W. & Networking	10340	8910	5000	-	-	-	-	-	-

Fee/Funds can be revised as per the instructions of Punjabi Uni., Patiala/Punjab Govt./College Management.

Hostel and Bus fee will be charged extra.

* New Students ** Old Students

*** New courses starting from session 2022-23.

Result percentage based concession :

Ths students getting admission in 1st year will be given special concession / books as mentioned below:

Marks obtained in 10+2 Class	Fee concession	Books
above 90%	Rs. 3000/-	3 Books Free
between 81% to 90%	Rs. 2000/-	2 Books Free

Important:

Students should note that all the courses outlined for each Semester are subject to the approval of the Board of Studies.

Modes of Online payment :

Debit Card, Credit Card, Net Banking, BHIM App, Google Pay or any other UPI App.

The following documents are to be uploaded during online admission process:

- Coloured photograph
- Scanned signature of student
- Matriculation Certificate
- Aadhaar Card
- Detail Marksheet of qualifying examination.

Documents to be submitted in the college office:

- Four copies of latest passport size coloured photograph with white background.
- Attested photocopies of the following certificates:
 - Matriculation Certificate
 - Detail Marks card of qualifying examination.
 - Character certificate from the institution /college last attended.
 - Affidavit explaining gap year (if there is a gap in studies).
 - Migration certificate from previous university/board other than Punjab Board or Punjabi University, Patiala.
 - Affidavit pledging payment of balance fees and funds.
 - Reserve category / sub category certificate from the competent authority.
 - Affidavit for opting Elementary Punjabi.

Contacts for information

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	Mrs. Tajinder Kaur	85859-06005
	Mrs. Amandeep Kaur	95010-43748
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B.Voc. Retail Management, Hospitality & Tourism and Food Processing		



SRI GURU TEG BAHADUR KHALSA COLLEGE

SRI ANANDPUR SAHIB

AN AUTONOMOUS COLLEGE

Affiliated to Punjabi University, Patiala

Managed by Shiromani Gurudwara Parbandhak Committee, Sri Amritsar

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