

# Academic Plan for B.Sc. Hons. (Biotechnology) (2021-24)

Department of Biotechnology,  
Faculty of Sciences  
BABA FARID COLLEGE, BATHINDA, PUNJAB

## FIRST YEAR (ORIENTATION)

### FIRST

#### INDUCTION PROGRAM

3 Week Induction Program including Bridge Course

#### DURING SEMESTER

Completion of the UGC-PU Patiala Choice Based Credit System (CBCS) Program defined curriculum through Student Centred Advanced Teaching Methodologies

#### Life Skill Program

Personality, Attitude, Behaviour, Communication, Human Ethics & Health Dev. Program by Mentor

#### LIVE PROJECTS

Case Studies, Minor Research Projects on Biologicals Area

#### WINTER BREAK

Certificate Course on Fundamentals of Life Sciences (30h) – Part I

### SECOND SEMESTER

#### DURING SEMESTER

Completion of the UGC-PU Patiala – CBCS - Program defined curriculum through Student Centred Advanced Teaching Methodologies (Presentations, Quiz, Experiments, Visits, Workshop GDs)

#### Life Skill Program

Student Orientation towards various Life Skills (Personality, Attitude, Behaviour, Communication, Human Ethics, Health)

#### Summer Break

Certificate Course on Emerging trends In Biological Sciences –Part 2

Summer/Industrial Trainings at Reputed Govt./Private/R&D: Food, Pharmaceutical, Agro-Biotech, Biologicals, Research Institutes/Universities.

Student lead  
Activities  
Sports,  
Cultural,  
Academic and  
Club Activities

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## Second Year (Skill Enhanced)

### 3<sup>RD</sup> SEMESTER

DURING SEMESTER

INDUSTRIAL VISITS

WINTER BREAK

PRACTICAL SKILLS

Completion of the UGC-PUP: CBCS - Program defined curriculum through Student Centred Advanced Teaching Methodologies (Presentations, Quiz, Experiments, Visits, Workshop GDs)

Industrial Visits, Field and R & D Lab. Visits

Certificate Course: Computational Biology – 30h; NPTEL/Swayam Moocs

Workshops: Microbiological Techniques, Seminar, Expert Talk

### 4<sup>TH</sup> SEMESTER

DURING SEMESTER

RESEARCH PROJECTS

INDUSTRIAL VISITS

SUMMER BREAK

PRACTICAL SKILLS

Program defined curriculum through Student Centred Advanced Teaching Methodologies (Presentations, Quiz, Experiments, Visits, Workshop GDs)

Course Oriented Minor Research Projects with or without Industrial collaboration

Visit To R & D Laboratory, Food Industry

Summer/Industrial Trainings at Reputed Govt./Private: R&Ds Food, Biotech, Pharmaceutical, Agriculture, Biologicals, BI/Institutes/Universities.

Workshop: Molecular Biology Techniques, Seminar, Expert Talk

Student lead Activities  
Sports, Cultural, Academic and Club Activities

Registration of Swayam Course



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MUKTSAR ROAD, BATHINDA (Punjab) INDIA - 151001

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## Third Year (Employability)

### 5<sup>th</sup> SEMESTER

#### DURING SEMESTER

Program defined curriculum through Student Centred Advanced Teaching Methodologies (Presentations, Quiz, Experiments, Visits, Workshop GDs)

Registration of Job Oriented MOOC

#### JOB ORIENTED SKILL

Communication Skill / Resume Writing / Mock Interview Preparation Test

Placement & Career Guidance Activities: Students Career Choice Based Activities- COMPETITION CLASSES, INDUSTRIAL TALK, HIGHER STUDIES, JOB OPPORTUNITIES

#### WINTER BREAK

Workshop On Industrial Methodology and Process

Remedial Classes

Certificate Course on Industrial Biological Sciences-30h; Moocs Course

STUDENT LEAD ACTIVITIES  
SPORTS,  
CULTURAL,  
ACADEMIC AND  
CLUB  
ACTIVITIES

### 6<sup>th</sup> Semester

#### CURRICULUM

Program defined curriculum through Student Centred Advanced Teaching Methodologies (Presentations, Quiz, Experiments, Visits, Workshop GDs)

Placement & Career Guidance Activities: Students Career Choice Based Activities- COMPETITION CLASSES, INDUSTRIAL TALK, HIGHER STUDIES, JOB OPPORTUNITIES

#### JOB ORIENTED SKILL

Industrial Expert Talk, Course Choice Counselling and Guidance

#### RESEARCH PROJECTS

Research Paper Writing, Seminar/Conferences, Expert Talk, Course Choice Counselling and Guidance



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