UTTARAN CHAL COLLEGE OF SCIENCE AND TECHNOLOGY

(PROSPERCTUS)

Science College with Holistic and Innovative Approach

for SCIENCES, BIOSCIENCES, COMPUTER SCIENCE, LIBRARY SCIENCE, MEDICINE, MANAGEMENT AND MASS COMMUNICATION

"Educating for the better future".

Phone : 0135-2607011, Fax : 0135-2607413
Mob. 9897142159, 9760068819  E-mail : info@ucstdoon.com

UTTARANCHAL COLLEGE OF SCIENCE AND TECHNOLOGY

(POST-GRADUATE COLLEGE)

Affiliated to HNB Garhwal University Srinagar, Uttarakhand

(CENTRAL UNIVERSITY)

Nagal Hatnala, P.O. Kulhan, Sahastradhara Road,
Dehradun - 248 001 (UK) INDIA

Phone : 0135-2607011, Fax : 0135-2607413
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www.ucstdoon.com
10 GOOD REASONS TO CHOOSE UCST FOR STUDY

UCST offers excellent programmes of study sustained by teaching of the highest quality.
UCST's teaching and research fit seamlessly together and strongly underpin one another.
UCST is truly nationally drawing students from different states benefiting from an extra-ordinarily diverse culture.
UCST provides a stimulating environment in which students can thrive.
UCST is committed to widening participation, and Teaching & Research activities go side by side at this campus.
UCST graduates & postgraduates are employable and often achieve great distinction in their chosen study area(s) and careers.
UCST provides great opportunities to pursue your sporting and cultural interests.
The beautiful Picnic Spots near Dehradun City are easily accessible.
UCST is located in the heart of city (Dehradun) - The capital of Uttarakhand and a very lively place to work and play.
Above all the regularity and punctuality in teaching programme(s) is ensured at the campus.

UCST’S

VISION
To contribute Nationally and Internationally through excellence in scientific and technical education and research; to serve as a valuable resource for industry and society; and to remain a source of pride for all Indian.

MISSION
To generate new knowledge by engaging in cutting-edge research and to promote academic growth by offering state-of-the-art at undergraduate, postgraduate and doctoral levels; the pockets of specialization upon which the institute can concentrate. To develop human potential to its fullest extent so that intellectually capable and imaginatively gifted leaders can emerge in a range of professions.

VALUES
Academic integrity and accountability.
Respect and tolerance for the views of every individual.
Appreciation of intellectual excellence and creativity.
An unfettered spirit of exploration, rationality and enterprise.
Campus Innovative Activities
Publications 1


*Director Uttaranchal College of Science and Technology, Dehradun (India).
** Head Department of Chemistry & Pharmaceutical Chemistry, Uttaranchal College of Science and Technology, Dehradun (India).
*** Students of M.Sc Pharmaceutical Chemistry at Uttaranchal College of Science and Technology, Dehradun (India).
• Akash Kumar, Evolutionary Analysis and Motif Discovery in Rhodopsin from vertebrates", ISCA-IRJBS-2013-062, 17-03-2013 (accepted).

1. Assistant Professor Department of Zoology Uttaranchal College of Science and Technology, Dehradun (India).
2. Assistant Professor Department of Biotechnology Uttaranchal College of Science and Technology, Dehradun (India).
3. Student of IV Sem (M.Sc Bioinformatics) at Uttaranchal College of Science and Technology Dehradun.
4. Student of I Sem (M.Sc Bioinformatics) at Uttaranchal College of Science and Technology Dehradun.

D.Phil/ Ph.D Degree(s) Awarded by
HNB Garhwal University, Srinagar Uttarakhand
(A Central University) under the supervision of Dr. S. S. Sawhney

2. Microbial Activities and Phytochemical Analysis of Curcuma longa, Eclipta alba, Adathoda vasica and Piper longum.
Dr. Sawhney is a Post-Graduate of University of Roorkee (Now IIT, Roorkee) of 1965 (1st class & 4th Positioner) in M.Sc Chemistry with specialization in Analytical, Physical & Nuclear Chemistry. His other interests include Petroleum Chemistry, Coordination Chemistry and above all Medical Chemistry. He is a reputed educationalist and academician, and scientist who has earned a niche in these fields gaining on National and International image. He has increasingly contributed to enrich the sciences and the development of new drug(s) responsible to neutralize the overproduction of these radicals in the human system, and continues to concentrate on the subject with all seriousness on the development of way and means to conclude on the mechanisms to bring to the threshold limits of free radicals calling attention of Chemists, Biotechnology, Microbiologists, Botanists and Environmental Scientists to address these issues. His academic and research Contributions have been well honored Nationally and Internationally.

A brief academic profile of Dr. Sawhney runs as follows:

1. **Professional Snapshots**

   A Professional with 44 years of teaching (at UG & PG Levels) and Research experience with core competencies across areas of Physical Chemistry, Analytical Chemistry, Nuclear Chemistry, Petroleum Chemistry, Coordination Chemistry, Medicine, new projects and initiatives, Environmental Chemistry and Management. Presently acting as Director, Uttaranchal College of Science and Technology, Nagal Hatnata, P.O- Kulhan, Sahastradhara Road, Dehradun-01, UK. Also the founder of this Institute and conferred upon National and International Awards:

   1. **International Scientist (IBC Cambridge England)** 2002
   2. **RASHTRIYA RATTAN AWARD** 2004
   3. **INTERNATIONAL GOLDSTAR MILLENIUM AWARD** 2005
   4. **PRIDE OF INDIA AWARD** 2005
   5. **INDIRA GANDHI SADHBHAWANA AWARD** 2005
   6. **BHARAT JYOTI AWARD** 2006
   7. **EDUCATION EXCELLENCE AWARD** 2007
   8. **LIFETIME ACHIEVEMENT AWARD-FOR EXCELLENCE EDUCATION** 2007
   9. **HIND RATAN INTERNATIONAL AWARD (At London)** 2008
   10. **RASHTRIYA SHIKSHA SANMAN AWARD (At Pune)** 2008
   11. **RASHTRIYA SANMAN AWARD** 2009
   12. **BHARAT GAURAV AWARD** 2010
   13. **ART OF EDUCATION EXCELLENCE AWARD** 2010
   14. **INTERNATIONAL ACHIEVER AWARD** 2011
   15. **INTERNATIONAL KOHINOOR** 2011

Dr. Sawhney receiving Rashtriya Rattan Award
2. **Educational Journey**
   - Ph.D (Chemistry) from Meerut University, Meerut in 1970.
   - M.Sc Chemistry from University of Roorkee (now IIT Roorkee) in 1965.
   - B.Sc from Dayal Singh College, Karnal in 1962.

3. **Organisational Experience**
   - Since July 1965 with DAV (PG) College, Dehradun
   - The Growth Path.
     - 1965---------1980 Lecturer.
     - Also headed the Department of Chemistry for 06 years.
   - Retired on 30th June, 2002.
   - Presently acting as Director, Uttaranchal College of Science & Technology, Dehradun since 2002.

4. **Key Deliverables**
   - Ph.D/ D.Phil Thesis Supervised : 30.
   - Books Authored : 03.
   - Patent Awardee : 01.
     - Ind. Cl : 40, F, 145 243
     - Int. Cl’ : C07C69/ 00.
     - “A PROCESS FOR THE PREPARATION OF FOUR POINT DEPRESSANT”
       (The Gazette of India, May 27, 1995, Jyaistha 6, 1971); P 469-470.
   - Editor of a Research Journals; Indian Journal of Physical and Natural Sciences, being Indexed in Chennai Abstracts and Biological Abstracts (USA).
   - Management and containment of adverse affects of radioactive elements in vitro and in vivo – A New Hope for Human Race to survive upon Earth.

5. **Invitations and Discoveries**
   - Sawhney ----- Jassal Equation.
   - Sawhney ----- Suri Equation.
   - HES (Hepato – Epidermal Syndrome) Theory.
   - pH Indicators : Lapachal, Juglon, Plumbagin, Lawsone.

6. **Membership**
   - New York Academy of Science (USA).
     - Member ID #423910.

7. **Honours**
   - Who’s who in the World (USA)
   - Who’s who in science & engineering (USA).

8. **Present Educational and Research Status**
   - Teaching PG Classes at Uttaranchal College of Science and Technology, Dehradun.
   - Supervising D.Phil Thesis on Medicinal Aspects of the Plants.
   - Engaged in Research Programme(s) in developing ways and means including a cocktail formulation of antioxidants to meet the challenges of the diseases caused by oxidative stress, a challenging area(s) which demand attention world over.
Uttaranchal College of Science and Technology (UCST) Dehradun is a leading SCIENCE COLLEGE with holistic and innovative approach. UCST has earned an educational and innovative niche since its establishment in 2001, which finds its reflection in the recent research publications in National and International research journals by the students and faculty members, and 95-100% University results (visit website www.ucstdoon.com).

The Institute has also introduced a programme in M.Sc Bioinformatics at the campus, the provider of a lead in the development of new drugs, and the management of diseases developing resistance to the already recommended drugs.

Besides expansion of educational horizontals, the Institute has greatly gained on the innovative verticals with the science doing(s) and research publications by the faculty members and the students at the campus, (please visit Google: Type Dr. S. S. Sawhney for innovative information of the campus).

The Institute is very much alive to connect itself proactively with the industry and hook with the widespread of its Alumni across the country. The widespread Alumni is proactively kept informed to enable them to keep pace and stay pace with progress and new programmes at the campus.

With its multifaceted academic and infrastructural strength, UCST is forging ahead towards creating spaces to interactive structures of knowledge with stress upon the reasonable balance between theory and practice-an essential element for achieving right level(s) of academic verticals.

The laboratories, library and computer centers are instrumentally and manly well equipped meeting all the demands and needs of the students as per the University syllabi.

It is a matter of pride to register that the undersigned and Uttaranchal College of Science and Technology Dehradun have been conferred upon, Art of Education Excellence Award (2010), International Achievers Award and International Kohinoor Award (2011).

The employment rate among the UCSTians is very encouraging. The offered courses equip the students to find the suitable jobs. The Institute finds many takers for its UG and PG level courses. The campus over a period of 11 years has earned a mini India status.

The parents and the admission seekers are welcome at our campus to gain on the first hand information on the academic and research standards at the campus.

So, if you have BASIC QUALIFICATION: 10+2 OR 10+2+3 whatever your background, apply to study at UCST campus (For eligibility please see or research the INSIDE PAGES).

The undersigned assures allround cooperation to the admission seekers in different programmes being offered at the campus.

Welcoming all.

( Dr. S. S. Sawhney)  
Director
The higher education system in India has grown in a remarkable way, particularly in the post-independence period, to become one of the largest systems of its kind in the world.

Over the years we have seen that higher education is essential for national, social and economic development. It is no longer a luxury. Today, more than ever in the past, we find a nation’s wealth lies in the quality of higher education. And, we are all convinced that knowledge, skills, and resourcefulness of people are important for the overall growth of a country. For a rapidly developing country like ours, therefore, high quality education system is the need of the hour. No country can think of making much headway without having a good higher education system.

The rapidly emerging Bioscience and Pharmaceutical Industry is a critical element of national development. Advances in Biosciences are resulting in novel biomedical and pharmaceutical products and processes that are relieving human suffering, improving health, and improving the quality of life of the human race. Life Science is transforming agriculture, improving the productivity, quality, safety, and affordability, and environmental compatibility of food and fiber production around the world. The application of biotechnology/microbiology to fields as diverse as bioremediation, forensics, artificial intelligence, and nanotechnology is similarly providing widespread benefits to humans and exciting new economic opportunities for entrepreneurs. As a result the industry is looking for people who can contribute their knowledge and skills to the industry in production, research and development and Marketing. Here in UCST courses like M.Sc. Biotechnology, M.Sc. Microbiology, M.Sc. Chemistry, M.Sc. Botany, M.Sc. Physics, M.Sc. Zoology, M.Sc. Environmental Science, M.Sc. Pharmaceutical Chemistry, M.Sc. IT, B.Sc. Biotechnology, B.Sc. Microbiology, BCA, BBA, B.Sc. IT, and B. Lib & I. Sc. etc. are providing students an opportunity to study the courses which are contemporary to current demands and provide job opportunities.

“The most important part of learning is to assimilate the knowledge effectively and then to put it to right application”.

- UTTARANCHAL COLLEGE OF SCIENCE AND TECHNOLOGY aims at developing an Application Oriented Centre of excellence for postgraduate education and research and a world class R&D centre
- An institution par excellence in consultancy and industry-Institute Interaction

Faculty of UCST:
- The real strength of UCST is the Faculty
- All Professors are distinguished teachers and researchers
- They are pillars of progress of UCST

Teaching Learning Process:
- Teaching Learning Process is very effective and unparalleled.

Industry Institute Interaction
- Interaction with industry is excellent
- Final year projects are mostly practice oriented
- Industrial visits, industrial training of staff and students is routine
- Expert lectures are arranged for the benefit of students and staff
- Collaborative work with industry is already taken up

Special Programmes for Students:
- Orientation programmes for freshers
- Seminar on Improving Learning Capabilities
- Seminar Presentation by students for improving communication skills
- English speaking programme for effective communication skill
- Organization of National / Regional Seminars and paper contest
- Guidance for appearing for NET AND GATE Examinations

Distinctions and Awards received

1. National Award Winner for educational excellence in the year 2007
2. Rashtriya shiksha sanman award in the year 2008
3. Bharat jyoti award in the year 2006
4. Art of education excellence award in the year 2010
5. Life time achievement award for excellence in education to the Director in the year 2007

Dr. Kamal Sawhney
MD
Educational Programmes at the Campus

The HNB Garhwal University Srinagar (Garhwal), Central University has introduced FOUR SEMESTERS Programme at the PG level since 2011.

With the exception of BCA, B.Sc. IT and BBA where 6 semesters programmes are followed at the campus, the B.Sc. Biotechnology/Microbiology/Electronics/Instrumentation courses (3 yrs) are conducted annually as per guidelines of the university.

**PROGRAMMES**

**BIOSCIENCES**
1. M.Sc. Biotechnology
2. M.Sc. Bioinformatics
3. M.Sc. Microbiology
4. B.Sc. Biotechnology
5. B.Sc. Microbiology

**SCIENCE**
6. M.Sc. Chemistry
7. M.Sc. Botany
8. M.Sc. Zoology
10. M.Sc. Environmental Science
11. B.Sc. Electronic/Instrumentation

**MEDICINES**

**COMPUTER SCIENCES**
13. M.Sc. Information Technology (IT)
14. Bachelor of Computer Application
15. B.Sc. Information Technology (IT)

**MANAGEMENT**
16. Bachelor of Business Administration (BBA)

**OTHERS**
17. M.A. Mass Communication
18. B.Lib. & I.Sc.

**RESEARCH PROGRAMMES**
   Selection: Through Interview of the Applicants with 55% marks at least at P.G. Level from the UGC Recognised University.
Information on Campus Infrastructure, & Courses and their Allied Aspects

In an increasingly competitive age, and the fast changing international educational scene the higher education but professionally skilled programme(s) is seen as the most sought-after options today.

Higher education is a dynamic phenomenon. The teaching and learning process, which is imparted to a learner, gets further strengthened if it is integrated with the well reasoned balance between theory & practice followed with innovative programme(s).

The recent times has seen the rising interest in utility oriented education - a fact which finds mention & support in the recent programmes of UGC in India. To meet the growing demands of Academic + vocational education, the growth of private institutions is reinventing itself to face, the challenges of globalization with adapting to the reasonable state-of-the-art, and ICT (Information & Communication Technology) support system(s) to groom or train the aspirants/candidates for future challenges in all walk(s) of life. The growing interconnectiveness of all sciences is another defining features of our times.

The recent times also has seen the relevance of higher education as synonymous with the inclusion of vocational subjects in the conventional educational system. The emergence of knowledge-linked societies, in a new economic environment, requires graduates & postgraduates with a sound base in the fundamentals/basics of core subjects to be enhanced by adding on utility - oriented skills in the programmes.

### DEGREE COURSES & THEIR FUTURE PROSPECTS

#### BIO SCIENCES

1. **B.Sc. BIOTECHNOLOGY**  
   (3yr Degree Programme)  
   Total 06 Semester  
   02 Semester per year

2. **B.Sc. MICROBIOLOGY** (3yr Degree Programme)  
   Total 06 Semester  
   02 Semester per year

3. **M.Sc. BIOTECHNOLOGY**  
   (2 yr Degree Programme) (Total 04 Semesters Programme Two Sem Each year.)

#### HIGHER STUDY

- **M.Sc. Biotechnology/Microbiology/Biochemistry/Chemistry/ Food Technology/Bioinformatics/Genetics/Forestry**, to name a few.  
  **JOB(S)**  
  Hospitals, Drug/Pharmaceutical/ Paper & Pulp/ Petroleum/ Food/ Agriculture/Packaged Food Industry; Teaching, to name a few.

#### RESEARCH

Area(s) of cloning and gene therapy (Abroad) Malaria, AIDS Containments, Medical & Agricultural Challenges, Human diseases etc.

#### ELIGIBILITY FOR CIVIL SERVICES’ EXAM

- IAS, IFS, IPS, Indian Postal Service; Indian Information Service (IIS); Indian Custom & Central excise Service (ICCES), Indian Revenue Service (IPS), to name a few.

#### HIGHER STUDY

  **JOB(S)**  
  Teaching profession (PG/Degree Colleges / Universities), Hospitals, Pharmaceuticals, R & D Departments/Lubricant/Wood/Paper & Pulp/Petroleum/Food/Wine/Agriculture/Cosmetic/Textile /Chemical/ Pesticides/Drug/Medical/Soll/Forestry/Herbal Industries; Genetic & Agricultural Dept., Environment Dept., Air Pollution Dept., to name a few.  
  **ELIGIBILITY FOR CIVIL SERVICES’ EXAM**  
  IAS, IFS, IPS, Indian Postal Service; Indian Information Service (IIS); Indian Custom & Central excise Service (ICCES), Indian Revenue Service (IPS), to name a few.
4. M.Sc. MICROBIOLOGY (2 yr Degree Programme)  
(Total 04 Semesters Programme Two Sem Each year.)

5. M.Sc BIO INFORMATICS (2yr Degree Programme)  
(Total 04 Semesters Programme Two Sem Each year)

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**SCIENCE**

6. B.Sc. INSTRUMENTATION/ELECTRONICS  
(3yr Degree Programme) 
Total 06 Semester  
02 Semester per year

7. M.Sc. CHEMISTRY (2 yr Programme)  
Total 04 Semester Programme :  
02 Semester per year

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**HIGHER STUDY** :

Ph.D/D.Phil, M.Tech

TESTING LABS Clinics, Abroad & in India (ONGC, CSIR, IIPs), to name a few.

RESEARCH: Pollution Management / Bioinorganics / Bioorganic / Biophysics / Life Processes; Area (s) of cloning & Gene Therapy; Malaria; Disease (s) Management; Drug & Food Industry to name a few.

ELIGIBILITY FOR CIVIL SERVICES' EXAM IAS, IFS, IPS, Indian Postal Service; Indian Information Service (IIS); Indian Custom & Central Excise Service (ICCES), Indian Revenue Service (IPS), to name a few.

Ph.D/D.Phil

Jobs: Teaching Professional (PG/Degree College/Universities in India & abroad) Hospitals/Pharmaceuticals / R & D Departments/ Drugs / Heraclea / Genetics / Environmental Air Pollution Department etc.

ELIGIBILITY FOR CIVIL SERVICES' EXAM IAS, IFS, IPS, Indian Postal Service; Indian Information Service (IIS); Indian Custom & Central Excise Service (ICCES), Indian Revenue Service (IPS), to name a few.

M.Sc. Physics / Bioinformatics / Forensic Science etc.

JOB(S)

Teaching (PG)/Degree Colleges/Universities) Energy/Nuclear sector (s), CSIR, DST, BARC Labs to name a few.

ELIGIBILITY FOR CIVIL SERVICES' EXAM IAS, IFS, IPS, Indian Postal Service; Indian Information Service (IIS); Indian Custom & Central Excise Service (ICCES), Indian Revenue Service (IPS), to name a few.


JOB(S)

Teaching profession (PG/Degree Level)/Food/Pharmaceutical/Rubber/Iron/Drug/Petroleum/Cement/Lubricant Wood/Paper & Pulp/Dying Polymer(s)/Glass/Chemical / Petrochemical/Fertilizer / Lime / Clay / Agriculture / Paint/Oil / Cosmetics Industries, to name a few.

TESTING LABS ONGC, CSIR Labs, IIPs, R&D Departments, FRI, CBRI Roorkee to name a few.

RESEARCH

Pollution Management; Bioinorganics; Bioorganic; Biophysics; Life Process; Food Chemistry; Petroleum Synthesis; to name a few.

Self: EMPLOYMENT

Establishment of Small Industrial Units; Oil Extraction / Plaster of Paris/Drug Synthesis/Herbal Drugs to name a few. (Expert Guidance available at this campus).

ELIGIBILITY FOR CIVIL SERVICES' EXAM IAS, IFS, IPS, Indian Postal Service; Indian Information Service (IIS); Indian Custom & Central Excise Service (ICCES), Indian Revenue Service (IPS), to name a few.

Ph.D in Wild life, Zoology area(s), Malaria control, Pollution etc to name a few.

JOB(S)

Teaching profession (PG/Degree Colleges / Universities), BSI, ZSI, ONGC, CSIR Labs, Research centres to name a few.

RESEARCH

Biotechnology, Microbiology, Malaria control, Wild Life, Forestry, Pollution etc. to name a few.

ELIGIBILITY FOR CIVIL SERVICES' EXAM IAS, IFS, IPS, Indian Postal Service; Indian Information Service (IIS); Indian Custom & Central Excise Service (ICCES), Indian Revenue Service (IPS), to name a few.
9. M.Sc. PHYSICS (2 yr Programme)
   Total 04 Semester Programme :
   02 Semester per year
   HIGHER STUDY
   Ph.D., M.Tech.
   JOB(S)
   Teaching profession (PG/Degree Colleges / Universities), Defence, CSIR, IIP,
   DST labs, BARC etc. to name a few
   RESEARCH
   Biophysics, Life Processes, Energy Sector, Space Sector, Electronics,
   Biomathematics etc.
   ELIGIBILITY FOR CIVIL SERVICES' EXAM
   IAS, IFS, IPS, Indian Postal Service; Indian information Service (IIS); Indian
   Custom & Central excise Service (ICCES), Indian Revenue Service (IPS), to
   name a few.

10. M.Sc. BOTANY (2 yr Programme)
    Total 04 Semester Programme :
    02 Semester per year
    HIGHER STUDY
    Ph.D. in Botany, Agriculture, Forestry, Microbiology, Biotechnology, Medicine
    etc.
    JOB(S)
    Teaching profession (PG/Degree Colleges / Universities), CSIR Labs, Research
    Centres, BSI, ZSI etc. to name a few
    RESEARCH
    Biotechnology, Microbiology, Ethnobiology/Agriculture / Forestry etc.
    ELIGIBILITY FOR CIVIL SERVICES' EXAM
    IAS, IFS, IPS, Indian Postal Service; Indian information Service (IIS); Indian
    Custom & Central excise Service (ICCES), Indian Revenue Service (IPS), to
    name a few.

11. M.Sc. Environmental Science (2 yr Programme)
    Total 04 Semester Programme :
    02 Semester per year
    HIGHER STUDY
    Ph.D. in Agriculture, Forestry, Environment etc.
    JOB(S)
    Teaching profession (PG/Degree Colleges / Universities), CSIR, IIP, ONGC
    Labs, BSI, ZSI etc. to name a few Note: Dwindling quality of environment is a
    global issue now. Human race is also endangered species now : Lac (s) of
    jobs/vacancies available in all states of India, but no applicant or workforce
    available M.Sc. Environmental Science Post-Graduates are much soughtafter
    candidates now in India. It is a very paying & promising area.
    RESEARCH
    Microbiology, Biotechnology, Petroleum Area, Forestry etc.
    ELIGIBILITY FOR CIVIL SERVICES' EXAM
    IAS, IFS, IPS, Indian Postal Service; Indian information Service (IIS); Indian
    Custom & Central excise Service (ICCES), Indian Revenue Service (IPS), to
    name a few.

COMPUTER SCIENCE

12. B.C.A (3yr Degree Programme)
    (Total 06 Semester Programme,
    Two semester in each year)
    HIGHER STUDY
    Bioinformatics.
    JOB(S)
    All Walks of life, and all area(s) of Science, Humanity, Banks, etc. System
    Analyst (s) computer Programmes, Software Designing to name a few.
    ELIGIBILITY FOR CIVIL SERVICES' EXAM
    IAS, IFS, IPS, Indian Postal Service; Indian information Service (IIS); Indian
    Custom & Central excise Service (ICCES), Indian Revenue Service (IPS), to
    name a few.

13. B.Sc. IT(3yr Degree Programme) (Total 06
    Semester Programme,
    Two semester in each year)
    HIGHER STUDY
    Bioinformatics.
14. M.Sc. IT 2 yr. Degree Programme 04 Sem. Programme, 02 Sem pre year

MANAGEMENT
15. BBA (Bachelor of Business Administration) (Total 06 Semesters Programme; Two Sem Each year.)

MEDICINE
16. M.Sc. PHARMACEUTICAL CHEMISTRY (2 yr Programme) Total 04 Semester Programme: 02 Semester per year

OTHERS
17. B.Lib & I.Sc. (1 yr) (Annual)
18. M.A. Mass Communication (2 yrs.) Total 04 Semester Programme: 02 Semester per year

COURSES

JOB(S)
All Walks of life, and all area(s) of Science, Humanity, Banks, etc. System Analyst(s)computer Programmes, Software Designing to name a few.

ELIGIBILITY FOR CIVIL SERVICES' EXAM
IAS, IFS, IPS, Indian Postal Service; Indian Information Service (IIS); Indian Custom & Central excise Service (ICCES), Indian Revenue Service (IPS), to name a few.

HIGHER STUDY

JOB(S)
Well soughtafter subjects for Colleges, Universities, Banks, Industries, Hospitals, Pharmaceuticals, All Departments (Private & Govt.)

RESEARCH
IT Area(s), Life Sciences, Cloning, Gene Therapy. etc.

ELIGIBILITY FOR CIVIL SERVICES' EXAM
IAS, IFS, IPS, Indian Postal Service; Indian Information Service (IIS); Indian Custom & Central excise Service (ICCES), Indian Revenue Service (IPS), to name a few.

HIGHER STUDY
MBA, M.Sc. IT, MCA, CA etc

JOB(S)
All Walks of life, and all area(s) of Bank, Industries, Management etc.

ELIGIBILITY FOR CIVIL SERVICES' EXAM
IAS, IFS, IPS, Indian Postal Service; Indian Information Service (IIS); Indian Custom & Central excise Service (ICCES), Indian Revenue Service (IPS), to name a few.

HIGHER STUDY
Ph.D or M.Tech. (Chemical Eng., Bioinformatics, etc.

JOB(S)
Teaching profession (PG/Degree Colleges / Universities), All Drug manufacturing Industries or Pharmaceuticals Units, Research Centres to name a few.

RESEARCH
Drug Designing, Disease(s) study, and their Management, Bioinformatics etc to name a few.

ELIGIBILITY FOR CIVIL SERVICES' EXAM
IAS, IFS, IPS, Indian Postal Service; Indian Information Service (IIS); Indian Custom & Central excise Service (ICCES), Indian Revenue Service (IPS), to name a few.

HIGHER STUDY
M.Lib, B. I.Sc.

JOB(S)
Teaching as a lecturer in College/Universities; Librarian/Asst. Librarian in School/College Universities/ Govt./ Pvt. Department(s)/National/International Libraries to name a few.

ELIGIBILITY FOR CIVIL SERVICES' EXAM
IAS, IFS, IPS, Indian Postal Service; Indian Information Service (IIS); Indian Custom & Central excise Service (ICCES), Indian Revenue Service (IPS), to name a few.

HIGHER STUDY
Ph.D.

JOB(S)
Teaching as a lecturer at degree & post graduate level, Media, TV Stations, News Papers Houses etc.

ELIGIBILITY FOR CIVIL SERVICES' EXAM IAS, IFS, IPS, Indian Postal Service; Indian Information Service (IIS); Indian Custom & Central excise Service (ICCES), Indian Revenue Service (IPS), to name a few.
UTTARANCHAL COLLEGE OF SCIENCE & TECHNOLOGY Dehra Dun is a leading institute engaged in Academic cum Professional Field(s) of study at undergraduate & postgraduate levels as referred in the preceding pages under the able guidance and supervision of an academician & educationist of repute & fame. It was founded by UTTRANCHAL PROGRESSIVE EDUCATIONAL SOCIETY, HQ 11-A, Sewak Ashram Road, Dehra Dun. The institute, working under SELF-FINANCING SCHEME, offers an academic area(s), which help students keep pace, and stay pace with educational programme(s), and has the relevance to the professional life of the students. The institute has the dynamic academic and research programme(s) which involves a faculty of about 45 lecturers and scientists. It has a vigorous visitors’ programme under which eminent national professors and scientists visit and lecture at this campus. The reasonable balance between theory & practice with the available state-of-the-art support system is ensured at the campus. In addition, the institute provides an environment which is conducive to make the students focus on their development and traditional values. It is also very much alive to the holding of classes regularly & punctually, maintenance of discipline and dress code at this campus. Also the challenging and intellectually stimulating academic environment is provided at the campus. Flexible system providing students the freedom to learn is emphasized upon, the stress on the ability to explore new technologies through PG & UG and Ph.D/D.Phil programmes is also laid on. For awareness among UCSTians for their future, the industry relationship for placement and collaorative work is part of our campus programmes. The MoUs have also been signed with allied institutions and corporate world in India in order to give more exposure(s) to the students to the relevant & allied state-of-the-art support system(s).

AFFILIATION
UTTARANCHAL COLLEGE OF SCIENCE & TECHNOLOGY, Dehra Dun is affiliated to HNB Garhwal University Srinagar, Uttarakhand (ACENTRAL UNIVERSITY). As per provision of the University, this institute conducts and offers graduate and post-graduate courses as referred to in the preceding pages.

SEATS RESERVATION
Constitutionally committed reservation policy is followed as per rules.

CLASSROOMS
The class rooms are airy, well furnished and suited to effective teaching supported by Audio-Visual Aids.

CALENDER AND SCHEDULE
The academic session stretches over 12 month’s period beginning on 1st July and ending on 30th June.

RESEARCH PROGRAMME(S) (Ph.D PROGRAMME)
The institute pursues research programmes at the campus. The aspirant(s) having Postgraduate Degree (in science with at least 50% marks) are interviewed & then enrolled under expert faculty guidance for Ph.D/D.Phil Degree Programme(s).

EDUCATION LOAN
For parents and admission seekers dreaming for higher education but failing to pursue the causes of their dreams due to scarcity of funds, guidance on education loan is available at the campus. Counselling is given for the issue in reference at the campus. Bank(s) which offer educational loan for higher studies include PNB, SBI, OBC, CBI, The South Indian Bank and all other(s) (To name a few).
Library

A rich and a well equipped library housing required and new titles, periodicals, research journals and magazines meets the needs and demands of the students of life sciences including biotechnology, microbiology etc., industrial chemistry including analytical chemistry and allied area(s); and the computer education including chemometrics, informatics/ bioinformatics - the need of the hour in the fast changing world scenario. New titles having latest information on the University course contents and allied area(s) are added regularly to this centre to update the knowledge of the students. The students are free to consult the library for their ends.

The trained librarians are available throughout the day and evening to assist the students making effective use of library resources.

Besides, the library education seminars are conducted during academic year to provide course specific overviews of the library services and resources. The lending facilities are available to the faculty, staff and the students.

The library provides reference, indexing, graphic and photocopying, customized Library Management Software facilities to help the students for their academic causes.

Institute Objectives

- The institute, keeping pace and staying the pace with the fast changing science and computer concepts and innovative experience(s).
- Strengthens the base(s) or foundation of the students exposing them to the basics of the allied area(s) which help learn, understand and apply the acquired or gained knowledge practically to achieve the target(s).
- Holds discussions, tutorials, seminars, and visits to the scientific organizations to help the students inch towards the objectives or aims of the programme(s) in reference, and stay informed on the advances on science education being made worderover.
- Discourages building bases on borrowed time and concepts.
- Works on the personality development of the students who are encouraged to embrace openness to experiences, conscientiousness, national approach to their causes disregarding oversensitivities and obsessiveness on the relevant issues.
- Welcomes documentation and effective use of computer and other allied equipments being applied increasingly in the precision and accuracy of the scientific data.
- Favours the quantitative as well as analytical approaches, comparative perspectives. Focuses on developing personalized thinking and imaginative skills which allow the students to form visions.
- Grooms or trains or encourages the students to take cost-effective science and its benefits to the doors of the society for bettering the quality of life in India vis-a-vis the world.
- Upholds the democratic and human face at the campus.

It is compulsory for the students to wear the prescribed uniform while at the campus.

BOYS
Winter : White Shirt, Grey Pant and Blazer with Monogram.
Summer : White Shirt, Grey Pant

GIRLS
Winter : White Salwar Kameez and Blazer with Monogram
Summer : White Salwar Kameez with Dupatta.

All students need to attend laboratory wearing WHITE LAB COAT.
The International Language is English. The scientific base can not be strengthened without it as it is spoken and written worldover.

The experience tells that the students opting higher educational programmes are not well versed in English Speaking Language in India.

The nearly all the scientific reporting is done in this language internationally and nationally. All the students must have a strong hold or grasp on this language otherwise the future prospects of the students without a grasp of this language are likely to be very dull. The students as our experience guides us, lack the basics of the language including expression, writing and speaking. The students need to be trained or groomed on these lines to enable them to express, write and speak well with English Language as a base. This programme is likely to dilute the ill-effects of Inferiority Complex among the students, leading to well moulded Personality Development, the need of the parents and society.

The programme shall include the regular classes by the expert teachers at the campus.
ALUMINI ASSOCIATION AT THE CAMPUS

UCST Family comprising of students including those who have received education and completed the different educational programmes at the campus, faculty members and non-teaching staff, is an important part of the institute. Their interests are watched judiciously and served well at the campus.

In order to promote the causes of the campus, all the Alumini of the institute are provided the information on the development of the campus to enable them to keep pace and stay pace on the educational, developmental, ethical, moral and personality development programmes of the campus.

In order to make the above programme more effective and sustainable, An ALUMINI ASSOCIATION is being formed at the campus inviting the participation of all who have passed out from this campus. The Alumini Directory is also under preparation.

The Alumini of UCST who have gained academic, social, administrative and scientific heights shall be honoured at the Annual Alumini Meet at the campus in future.

UCST WORLD (College Annual Magazine)

UCST WORLD is being launched since 2010-2011 academic session in order to provide an academic and scientific platform to the students to contribute on social, educational, academic and scientific issues and the well sought after subjects like climate change, environment, new inventions, scientists profile(s) , job-oriented well sought after educational and academic programmes etc.

The students can build up on the programme(s) being taught at the Campus for the contribution(s) to UCST WORLD. The faculty members, who are always available to cooperate, can be consulted on the subjects if the students face any difficulty what so ever including vetting of the writeup by the contributors.
Hostel

The institute has arrangement(s) for excellent Hostel accommodation with homely care amidst pollution free and extremely safe for Boys and Girls Separately @ Rs. 5500/- per month. Plus refundable hostel security Rs. 5000/-. 

HOSTEL FACILITIES

1. The Hostel is equipped with aesthetically furnished rooms.
2. Every room accommodates 3 residents, each one provided with a Bed, Study Table & Cupboard along with an attached English style toilet, with hot water supply and also has an independent balcony with a panoramic view.
3. Vegetarian Breakfast, lunch and dinner are served in a separate Mess with a sterilised & hygienic kitchen.
4. Recreation includes TV, Internet and access to newspaper & magazines.
5. Laundry, STD & Medicare are available, but on charges.
6. Bus facility ensures timely drop and pick-up to & from the Institute.

CAMPUS DISCIPLINE

Since these courses require high IQ; good concentration and inquisitive mind; and an innovative attitude, perseverance, team spirit, and a systematic approach, there is no place for indiscipline at the campus.

In order to keep pace and stay the pace with the academic schedule, the students need to ensure:

- That they attend the classes, and practical schedule(s) regularly and punctually.
- That they do not absent themselves without prior intimation to the teachers giving sound reasons. The students invite disciplinary action if found.
- Disturbing academics at the campus in any manner.
- Misbehaving or ill-treating either with the teachers or their fellow beings the campus
- Making or practising derogatory remark(s) on communal or religious lines.
- Indulging in wilful spoiling of institute’s property etc.
- Violating the institute’s dress code at the campus and during lab timing.

ATTENDANCE

A minimum of 75% attendance is required. The student failing to meet and match this requirement is liable to be barred from appearing in the periodical/university examination.

ENQUIRY COUNTER

The institute has an enquiry counter at the campus, ready to provide information on all the programmes available here. The students and the visitors are advised to contact here, and seek the required information.

MODE OF PAYMENT OF FEE

The fee is to be paid only through Demand Draft/Pay Order favouring, UTTARANCHAL COLLEGE OF SCIENCE & TECHNOLOGY payable at Dehra Dun. Please write your name, address, class and telephone if any at the back of the Demand Draft/Pay Order.

ADMISSION PROCEDURE

Admission to various courses will be made on the basis of the MERIT prepared out of the academic excellence (at entry point degree) and the performance at interview to be held at the campus.

HOW TO OBTAIN AND RETURN APPLICATION FORM

Application Form(s) for admission for various courses can be obtained

Either against the payment of Rs. 300/- at the Campus Windows.

Or by sending a DD of Rs. 325/- in the favour of Uttaranchal College of Science & Technology payable at Dehradun at the college address. (cf. Foot Note)

Or by downloading the application form from the College Website: www.ucstdoon.com. The completely filled downloaded application form must accompany a DD of Rs.300/- favouring Uttaranchal College of Science & Technology payable at Dehradun.

Note 1: The DD of the fee for the concerned course should also accompany the application form (cf. Fee Structure details)

Note 2: Please send the application form(s) and connected papers to THE DIRECTOR, UTTARANCHAL COLLEGE OF SCIENCE & TECHNOLOGY, NAGAL HATNALA, P.O. KULHAN, SAHASTRADHARA ROAD, DEHRADUN - 248 001 (UTTARAKHAND) INDIA
R & D Department at the Campus

Teaching and Research Programme(s) go side by side. Both facilities are very significant to the causes of the society, human life and the world at large.

Significant and outstanding contributions and achievements at educational & scientific levels have been made & achieved here. The students are constantly informed on the ongoing scientific programmes at the campus for the appreciation of the “STUDENTS SCIENTIFIC CURIOSITY”.

The ongoing society-oriented scientific programmes at the campus under the guidance of Dr. S. S. Sawhney include:
- Meeting challenges of skin cancer conditions among human and their rehabilitation.
- Combating post-natal epidermal conditions.
- Hunting for Anti-AIDS probables.
- Studies on water potability - the need of hour for hill states particularly Uttarakhand.

INDIAN JOURNAL OF PHYSICAL AND NATURAL SCIENCES
AMOUTH ORGAN OF THE INSTITUTE.

The institute runs a scientific journal, INDIAN JOURNAL OF PHYSICAL AND NATURAL SCIENCES, being indexed in chemical abstracts, biological abstracts, internationally to help the students to develop the scientific flair to help society meet its cause, needs and demands on human, scientific and economic plane(s). Additionally this is a platform where the students can get their work (Dissertation/summer training programmes(s) after necessary vetting by experts) published even at the post graduate levels. On this front, the expert guidance is also given to the students to ready the format for scientific publication in the journal- a rare combination of teaching and research.

SCHOLARSHIP(S)

FIVE MUKEISH SAWHNEY MEMORIAL SCHOLARSHIPS (Rs. 5,000/- per month each) are offered to the Postgraduates Students of this institute after completing the course. Selection & election through test and interview conducted annually at the campus. Duties : Research cum teaching.

SPORTS & CULTURAL PROGRAMME(S)

The Institute encourages UCSTians to participate in SPORTS & CULTURAL PROGRAMME(S), arranged at the campus, and by HNB Gariwal University from time to time, to bring out the best in the students as well, and to teach them to cope with different situations existing in different societies.

PLACEMENT CELL

The provision of placement assistance to the students is a part of the educational programme at the campus. The students are helped stay informed upon the availability of the openings, and the positions at different levels as per their qualification.

The inputs on the information reaching the CELL are notified on the notice board well in advance giving sufficient time to the students for preparation for interview(s). The updating of information is a continuous process at the campus.

The Institute invites different business centres/houses/academic centres/hospital centres for participation in placement programme(s), and campus interview at this campus.

The students’ placement brochure is compiled with all necessary biodata of the students (UCSTians), and made available to the employer(s) for consideration.

Placement Cell Services are available during college hours.

UCST ASSOCIATION WITH SCIENTIFIC CENTRE(S) & INDUSTRIES.
FOR TRAINING & PLACEMENT(S)

All India Institute of Medical Sciences (AIIMS), New Delhi
Regional Research Laboratory, Jammu-Tawi (J&K)
Indian Institute of Petroleum (IIP), Dehradun (UA)
The H.P. State Cooperative Milk Producers Federation Ltd, Mandi (HP)
Himachal Pradesh Horticultural Produce Marketing and Processing Corporation Ltd, Shimla (HP)
National Bureau of Animal Genetic Resources, Karnal (Haryana)
Vivekanand Parvatiya Krishi Anusandhan Sansthan, Almora (UA)
National Research Centre for Mushroom, Solan (HP)
Central Potato Research Institute (ICAR), Shimla (HP)
Central Research Institute, Kasauli (HP)
Ind-Swift Laboratories Limited (A Recognized Export House), Punjab
Forest Research Institute (FRI) Deemed Univ, Dehradun (Uttaranchal)
NDRI, Karnal (Haryana)
Institute of Himalayan Bioresource Technology (CSIR), Palampur (HP)
Regional Medical Research Centre (ICMR), Bhubaneswar (Orissa)
Indira Medical College, Shimla (HP)
Dr. Morepen Lab Ltd, Solan (HP)
Omega Biotech, Hardwar (UA)
Brawn Lab Ltd., Faridabad (Haryana)
Bhabha Atomic Research Centre, Human Resource Development Division (Mumbai)
CAMPUS PROGRAMME (S) OF STUDY (DETAILS)

SCIENCES (PG Level)

1. M.Sc. CHEMISTRY

Duration : 2 years
Programme : 04 Semester
02 Semester Per Year

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With specialization in Inorganic Chemistry OR Organic Chemistry OR Physical Chemistry

Seats : 60
Eligibility : B.Sc Degree in science with chemistry as a subject OR Equivalent Degree with 50% Gen (45%SC/ST/OBC) marks.

2. M.Sc. PHYSICS

Duration : 2 years
Programme : 04 Semester
02 Semester Per Year

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* Dissertation
With specialization in Electroncs.

Seats : 30
Eligibility : B.Sc Degree in science with Physics as a subject OR Equivalent Degree with 50% Gen (45%SC/ST/OBC) marks.

3. M.Sc. BOTANY

Duration : 2 years
Programme : 04 Semester
02 Semester Per Year

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* Dissertation
With specialization in Biodiversity/Biotechnology

Seats : 30
Eligibility : B.Sc Degree in science with Botany as a subject OR Equivalent Degree with 50% Gen (45%SC/ST/OBC) marks.

4. M.Sc. ZOOLOGY

Duration : 2 years
Programme : 04 Semester
02 Semester Per Year

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* Dissertation
With specialization in Fish & Fisheries.

Seats : 30
Eligibility : B.Sc Degree in science with Zoology as a subject OR Equivalent Degree with 50% Gen (45%SC/ST/OBC) marks.

5. M.Sc. ENVIRONMENTAL SCIENCE

Duration : 2 years
Programme : 04 Semester
02 Semester Per Year

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* Dissertation

Seats : 30
Eligibility : B.Sc CBZ/PCM or Equivalent Degree with science with 50% Gen (45% SC/ST/OBC) marks.

6. B.Sc. INSTRUMENTATION/ELECTRONICS

Duration : 03 Years
Programme : 06 Semesters

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BIOSCIENCES (UG LEVEL)

7. M.Sc. BIOTECHNOLOGY

Duration : 2 years
Programme : 04 Semester
02 Semester Per Year

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* Dissertation

Seats : 30
Eligibility : B.Sc with chemistry/Botany/Zoology/Microbiology/Biotechnology/Biochemistry/Genetics or B.Sc MLT/MBBS/B.V.Sc or B.Sc PCM or Equivalent Degree with Min 50% Gen (45% Sc/ST/OBC) marks.

8. M.Sc. MICROBIOLOGY

Duration : 2 years
Programme : 04 Semester
02 Semester Per Year

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SYLLABI

1st Year
Semester

2nd Year
Semester

1st
2nd
3rd
4th
Paper 04 04
Paper 04 02

* Dissertation
Seats : 30
Eligibility : B.Sc with chemistry/Botany/Zoology/Microbiology/Biotechnology/Biochemistry/Genetics or B.Sc MLT/MBBS/B.V.Sc or B.Sc PCM or Equivalent Degree with Min 50% Gen (45% SC/ST/OBC) marks.

9. M.Sc BIOINFORMATICS

Duration : 2 years
Programme : 04 Semester
02 Semester Per Year

SYLLABI

1st Year
Semester

2nd Year
Semester

1st
2nd
3rd
4th
Paper 04 04
Paper 04 03

* Dissertation
Seats : 25
Eligibility : Graduation with science or IT/Computer Sciences or Equivalent Degree with 50% Gen (45% SC/ST/OBC) marks.

BIOSCIENCE (UG LEVEL)

10. B.Sc Biotechnology

Duration : 03 years
Programme : 06 Semesters

SYLLABI

1st Year
Semester

2nd Year
Semester

3rd Year
Semester

1st
2nd
3rd
4th
5th
6th
Paper 05 05
Paper 04 04
Paper 05 05

Seats : 60
Eligibility : 10+2/F.Sc./Intermediate with science background with 45% Gen (40% SC/ST/OBC) marks.

11. B.Sc Microbiology

Duration : 03 Years
Programme : 06 Semesters

SYLLABI

1st Year
Semester

2nd Year
Semester

3rd Year
Semester

1st
2nd
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4th
5th
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Paper 05 05
Paper 05 05
Paper 05 05

Seats : 60
Eligibility : 10+2/F.Sc./Intermediate with science background with 45% Gen (40% SC/ST/OBC) marks.

MEDICINE (PG LEVEL)


Duration : 2 years
Programme : 04 Semester
02 Semester Per Year

SYLLABI

1st Year
Semester

2nd Year
Semester

1st
2nd
3rd
4th
Paper 04 04
Paper 04 01

* Dissertation
Seats : 30
Eligibility : B.Sc. or Equivalent Degree with science with at least 50% marks (SC/ST/OBC : 45%).

COMPUTER SCIENCES (UG LEVEL)

13. M.Sc IT (INFORMATION TECHNOLOGY)

Duration : 02 Years
Programme : 04 Semester
02 Semester Per Year

SYLLABI

1st Year
Semester

2nd Year
Semester

1st
2nd
3rd
4th
Paper 05 05
Paper 05 05

* Dissertation
Seats : 40
Eligibility : Graduate Degree with science with minimum 50% Gen. marks (SC/ST/OBC : 45%).

COMPUTER SCIENCES (PG LEVEL)

14. BCA (BACHELOR OF COMPUTER APPLICATION)

Duration : 03 Years
Programme : 06 Semester
02 Semester Per Year

SYLLABI

1st Year
Semester

2nd Year
Semester

3rd Year
Semester

1st
2nd
3rd
4th
5th
6th
Paper 05 05
Paper 04 04
Paper 04 04

Seats : 60
Eligibility : 10+2/F.Sc./Intermediate with mathematics background with 45% Gen (40% SC/ST/OBC) marks

15. B.Sc. IT (INFORMATION TECHNOLOGY)

Duration : 03 Years
Programme : 06 Semester
02 Semester Per Year
SYLLABI

1st Year
Semester
1st 2nd
Paper 05 05

2nd Year
Semester
3rd 4th
Paper 05 05

3rd Year
Semester
5th 6th
Paper 05 05

Seats : 60
Eligibility : 10+2/F.Sc/Intermediate of any stream with min. 45% marks
(SC/ST/OBC : 40%)

MANAGEMENT (UG LEVEL)

16. BBA (BACHELOR OF BUSINESS ADMINISTRATION)

Duration : 03 Years
Programme : 02 Semester Per Year

OTHER

17. B.Lib and I.Sc

Duration : 01 Years
Programme : Annual

Papers : 09+Tour Project
Seats : 25
Eligibility : Graduate of any stream with min. 45% marks
(SC/ST/OBC 40%)

18. M.A MASS COMMUNICATION

Duration : 02 Years
Programme : 02 Semester per year

* Dissertation
Papers : 25
Seats : 25
Eligibility : Graduate of any stream with min. 50% and 45% marks
SC/ST/OBC
Besides regularity and punctuality in holding classes, and doing justice to the University syllabi to the satisfaction of the students of different subjects or disciplines, the campus has been engaged in the accompanying events.

1. Cultural Programmes.
2. Holding Seminars/Workshop.
3. Development of new drugs/formulations by R & D Division at the campus for containing hair-fall, psoriasis, and excessive bioaccumulation of free radicals in the body and growing of new species of medicinal values.

CULTURAL PROGRAMME(S)

To provide chances to UCSTians to ventilate their suppressed feelings and the hidden talent, the holding of cultural and academic or scientific meets are the common happenings at the campus.

HOLDING OF SEMINARS & WORKSHOP

In line with the campus programme(s), the ‘WORKSHOP’ and seminars have been held at the campus, with the participation and attendance of the students. The invited lectures delivered at the workshop at the campus sponsored by Uttarakhand State Council For Science & Technology D.Dun include,
1. Dr. S.S. Sawhney  
   Director, UCST, D.Dun  
   : “Future Challenges For Mankind.”

2. Dr. A.K. Sharma  
   M.Sc., Ph.D.  
   Joint Director Department of Biology,  
   G.B Pant Agricultural University,  
   Pantnagar.  
   : “Microbial World Critical For Life.”

3. Dr. K.L. Goyal  
   M.Sc, Ph.D., D.Sc, FIE, FNASC,  
   FBMA, F. Instt, Pet  
   : “Oil Spill Management”

4. Dr. R.C. Dhiman  
   M.Sc, Ph.D.  
   Dy Director  
   NMRI New Delhi.  
   : “Recent Advances In Tackling Malaria Control in India.”

5. Dr. Ajay Swami  
   M.Sc, Ph.D.  
   Head (H.O.D)  
   Div. of Microbiology  
   Chinmaya Degree College Haridwar  
   : “Human Friendly Microbes”

6. Prof. R.C. Dubey  
   M.Sc, Ph.D.  
   Dept. of Botany  
   Gurukul Kangri University,  
   Haridwar  
   : “Ecofriendly Biopesticides, For Sustainable Agriculture.”

7. Dr. Tanuj Ambwani  
   Dept. of Veterinary Biochemistry  
   G.P农业 and Technical University,  
   Pantnagar  
   : Molecular Biology and Bio-Weaponisation of Avian Influenza.

8. Dr. S.S. Dhiman  
   Dept. of Zoology  
   M.S. College Saharanpur  
   : Microbes In The Management of Insect Pests

The knowledge-based talks highlighting new scientific approaches to meet the causes of Human Race had been useful to the audience.

The events at the campus as above are the common annual exercises to give exposure to UCSTians to enhance their scientific flair and to develop them mentally.

Without basic understanding of science, there can be no advance in technology. Science feeds into technology and then technology derives science.”
New Discovery


The teaching & research programme(s) go side by side at the campus. The concept(s) and thought(s) developed here are applied to the causes of society and Human Race at large.

Under Dr. S. S. Sawhney, the director of the institute, the aetiology and the management of hair-fall, psoriasis and biomagnification of free radicals in the body, and organ-wise have been well understood, and the line of treatment(s) is followed here. In line with this strategy, the plant-based products have been successfully tried to combat the body abnormalities of HAIR-FALL, PSORIASIS, and overproduction of free radicals, beyond the carrying capacities of the different organs, and the body on the whole among the million of the world population. These products are hopes for the million worldover. The students joining at this campus shall be involved to strengthen and widen the scientific and academics base(s) of the students on these line(s) of applications and treatment(s). The whole strategy of conceptualization, incubation and development of formulation(s) are seeded here in R&D Division at this campus.

RESEARCH FELLOW PROGRAMMES AT THE CAMPUS IN DIFFERENT STREAM(S).

The Institute has initiated “RESEARCH FELLOW PROGRAMMES” to science postgraduates in any stream of Biosciences/ Sciences/ Medicines/ Computer Science/ Management who have displayed academic excellence at post-graduate levels, and have graduated to research and development programmes after post- graduation.

The awards are given after interviewing the candidates/ applicants by the expert committees for 02 years initially but can be extended for 03 years subject to the individual performance in search area(s) supported by at least 02 research publications in the National/ International journals.

Those who have IInd class/ Ph.D with 02 years teaching experience are eligible for applying for the above positions. Preference is given to the applicants having at least 02 research publications in Nationally and Internationally credited research journals.

Development of New Drugs/formulations By R & D Division at The Campus for containing Hair-fall, Psoriasis and Excessive Bio-accumulation of Free Radicals In The Body.

रक्तदुःध्वज का 'डिफेंस' तैयार
ढीएवी के रिटाइर्ड प्रोफेसर के शोध में दाया
कैरिकल साइंसेज जनरल में प्रकाशित हुआ है यह शोध

ढीएवी यूनिवर्सिटी के रिटाइर्ड प्रोफेसर डा. सीएस साहनी ने दाया किया है कि 20 साल के शोध में उन्होंने एक ऐसा कंपनियों विकसित किया है, जो कि-रेडी एकांक जिसे सिद्धांत पर आधारित है। उन्होंने परमाणु बम पत्रों पर पंजी होने वाली या अन्य किसी आपूर्ति से उत्पन्न हुए रेडियो एकांकों के अन्तर को क्रम किया जा सकता है। परमाणु बम की तबाही के साथ सहयोग के साथ प्राप्त हो रही है। उनका यह शोध हाल ही में कैरिकल साइंसेज जनरल में प्रकाशित हुआ है।

उन्होंने उस संबंध के बंटे और जापान सरकार को घोषणा की है।

डा. साहनी ने अपने शोध में दाया किया है कि उन्होंने एक ऐसा कंपनियों विकसित किया है। (साहाराउ भाषा में कैरिकल का भविष्य या पाद) जो अपर और कोई बम को आग क्षमता को कम कर सकता है। इस बम की दुर-दूर भाग या आग क्षमता को कम कर सकता है। इस परिमाण में खुला है। इसका उपयोग की जा सकता है या उसकी ज्यादा हो जाएगा। डा- साहनी का दाया है कि उनका साधन देश के बढ़े शरीरों में सहायता रिटाइर्डां और इसकी जीवन को भी मिलेगा।

इन्होंने निकालने वाले वेजिटेबल और वीटा में दाया है। इसके बाद इसी तरह पर एक और डा.रेडीएन किया जा सकता है। इसके बाद इस बम को भी मिलेगा जा सकता है।

ढीएवी यूनिवर्सिटी के रिटाइर्ड प्रोफेसर के शोध में दाया किया है।
Location of College

DEHRADUN

: Dehra Dun - The capital of Uttarakhand - a valley town near the foothills of the Himalayas.

Some Facts About Dehra Dun

Area

: 300 Sq. Kms., Altitude
640 mts. (2100 ft)

Temperature

: (deg C)
Summer - Max : 44.4, Min : 29
Winter - Max : 32.2, Min : 18.3

Clothings

: Summer - Cotton & tropical,
Winter - heavy Woolen.

Accessibility

Air

: The nearest airport is Jolly Grant, 24 Kms. from Dehradun

Rail

: Dehra Dun is a terminus of the Northern Railway.

Road

: Dehra Dun is well connected to all parts of the country.

Picnic Spots

: Tapkeshwar Temple, Sahastradhara, Kalanga Monument; Malsi Deer Park; Laxman Siddh; Robber’s Cave (Guchhupani); Lachhiwala; Chandra bani; Tapovan; Bhagirathi Resorts; and Rajaji National Park.

LOCATION GUIDE MAP

[Map of the location showing various landmarks and roads around Dehra Dun.]