

BACHELOR'S DEGREE PROGRAMS

SCHOOL OF COMMERCE

The school offers the following non-residential programs which lead to bachelor's degree:

- Bachelor of Commerce (B.Com)
- Bachelor of Business Management (B.B.M)

PROGRAM OBJECTIVE:

The objective of the above two programs is to develop a pool of young talent with specialised knowledge in the fields of Accounting, Finance, Human Resources and Marketing.

ADMISSION PROCEDURE:

Applicants are required to fill-up the application form online at: www.xub.edu.in or at: w3.ximb.ac.in. The eligible candidates will have to appear for an online entrance test, which will be held on May 15, 2016, at Bhubaneswar, Delhi, Hyderabad, Kolkata and Mumbai. Final selection of the candidates will be on the basis of online test score and academic performance. Proper weights are assigned to the test score and performance in the class 10 and 12 examinations.

ACADEMIC SYSTEM:

Both B.Com and B.B.M programs consist of six semesters spread over three academic years. Each Academic Year consists of two semesters and the duration of each semester is approximately five months.

There are 30 courses including one "project" in these programs spread over six semesters. Each course is of 5(five) credits and of 50 contact hours. Courses offered in the first year (Sem-I and Sem-II) are common to all the students pursuing different functional disciplines. The honors courses will start from second year onwards. The students will be divided into groups depending on their choice of honors courses. Honours courses are offered in the areas: Accounting, Finance, Human Resource Management, and Marketing.

First two honours courses are offered to students pursuing B.Com program whereas rest two are for B.B.M. Students are required to exercise their choice of honours at the time of admission.

COURSE DESIGN

The school offers industry relevant course curriculum which have been designed by a team of experienced academicians and professionals from the industry.

Semester I & II courses are common for B. Com – Accounting, B. Com – Finance, BBM – HR, & BBM - Marketing

Semester - I

- Principles of Management
- Financial Accounting –I
- Business Mathematics
- English Language & Business Communications-I
- Computer Application for Business

Semester - II

- Business Law
- Managerial Economics
- Human Behaviour in Organisations
- Principles of Marketing
- Business Statistics
- English Language & Business Communications-II

B.COM –ACCOUNTING

Semester – III

- Financial Accounting-II
- Cost and Management Accounting-I
- Direct Tax Law
- Managerial Economics(Macro)
- Corporate Laws

Semester – IV

- Financial Management
- Indirect Tax Laws
- Cost and Management Accounting-II
- E-Commerce & Computerized Accounting
- Banking
- Summer Internship Projects

Semester – V

- Corporate Accounting
- Financial Statement Analysis
- Insurance and Risk Management
- Entrepreneurship Development

Semester – VI

- International Finance
- Accounting Standards and Corporate Financial Reporting
- Auditing and Assurance Services
- Business Ethics and corporate Governance
- Project Report and VIVA

B.COM – FINANCE

Semester – III

- Cost and Management Accounting
- Financial Accounting-II
- Direct Tax Laws
- Managerial Economics(Macro)
- Corporate Laws

Semester IV

- Financial Management
- Indirect Tax Laws
- Financial Institutions and Markets
- E-Commerce & Computerized Accounting
- Banking
- Summer Internship Projects

Semester – V

- Security Analysis and Portfolio Management
- Financial Management – II
- Insurance and Risk Management
- Entrepreneurship Development

Semester – VI

- Derivatives
- International Finance
- Auditing and Assurance Services
- Business Ethics and Corporate Governance
- Project Report and VIVA

BBM – HR**Semester - III**

- HR Planning (HRP)
- Fundamentals of Labour Law (FLL)
- Individuals in Organization (IIO)
- Managerial Economics (Macro) (ME)
- CSR & Sustainability (CS)

Semester – IV

- Training & Development (T&D)
- Group Dynamics and Team Building (GDTB)
- Recruitment and Selection (R&S)
- Personality Development (PD)
- Production and Operations Management (POM)
- Summer Internship Project

Semester – V

- Wage and Salary Administration (WASA)
- Performance Management (PM)
- Entrepreneurship Development (ED)
- Cost & Financial Management (50+50) (CFM)

Semester – VI

- Organization Theory (OT)
- Industrial & Employment Relations (I&ER)
- Soft Skill (SS)

- Business Ethics and Corporate Governance (BCG)
- Project Report and VIVA

BBM – MARKETING**Semester - III**

- Consumer Behaviour (CB)
- Services Marketing (SM)
- Selling Lab (SL)
- Managerial Economics (Macro) (ME)
- CSR & Sustainability (CS)

Semester - IV

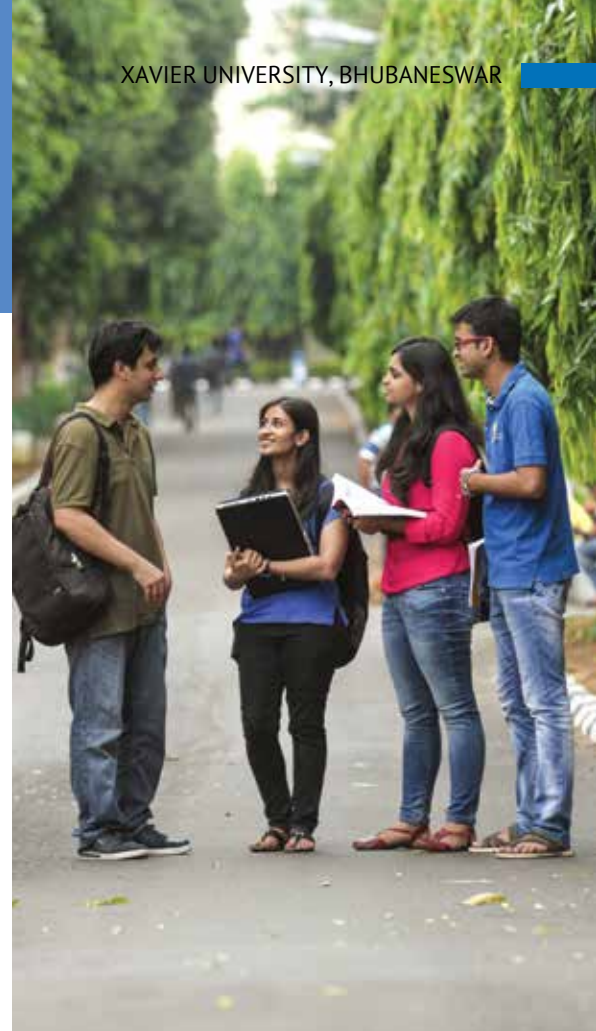
- Marketing Communication (MC)
- Marketing Research (MR)
- Distribution Management (DM)
- Personality Development (PD)
- Production and Operations Management (POM)
- Summer Internship Projects

Semester - V

- Brand Management (BM)
- Rural Marketing (RM)
- Entrepreneurship Development (ED)
- Cost & Financial Management (50+50) (CFM)

Semester - VI

- Marketing and Entrepreneurship (ME)
- Socially Responsible Marketing (SRM)
- Soft Skill (SS)
- Business Ethics and Corporate Governance (BCG)
- Project Report and VIVA

**HOSTEL FACILITIES**

Limited hostel facilities are available. Preference will be given to students coming from outside Bhubaneswar.

Fee Structure (in Rs.) for B.Com. & B.B.M.

	First Year	Second Year	Third Year
Program Fee	185,000	215,000	240,000
Course Material	10,000	10,000	10,000
IT Expenses	5,000	5,000	5,000

DEGREE

Xavier University will award the following degrees to successful students:

- B.com-Accounting
- B.Com-Finance
- B.B.M-HR
- B.B.M-Marketing

XAVIER SCHOOL OF COMMUNICATIONS

B.Sc. IN MASS COMMUNICATION

It is an undergraduate course designed to train the young minds in media skills and analysis. The course has all components of mass communication or mass media or communications namely Film, Radio, TV, Advertisements and Public Relations. The stress will be on both theory and practice of mass communication. The cutting edge of the course will be provided to the students through hands-on approach with the latest media equipment relating the mass media. Exposure to media houses too will be part of the course along with internship and research. The faculty from the media industry will provide the cutting edge.

ADMISSION PROCEDURE

Applicants are required to fill-up the application form online at: www.xub.edu.in or at: www.ximb.ac.in. The eligible candidates will have to appear for an online entrance test, which will be held on May 15, 2016, at Bhubaneswar, Delhi, Hyderabad, Kolkata and Mumbai. Final selection of the candidates will be on the basis of entrance test score and academic performance. Proper weights are assigned to the test score and performance in the class 10 and 12 examinations.

Hostel Facilities

Limited hostel facilities are available. Preference will be given to students coming from outside Bhubaneswar.

Fee Structure (in Rs.) for B.Sc. (MC)

	First Year	Second Year	Third Year
Program Fee	150,000	175,000	200,000
Course Material & IT	10,000	10,000	10,000
Placement Assistance	10,000		
Caution Deposits	15,000		



COURSES:

FIRST SEMESTER

Theory

- Basic Writing Skills -1
- Indian Culture
- Human Communication

Practicals

- Computer Applications in Media - 1
- Digital Audio Production-1
- Presentations & Group Discussions

Theory

- Radio Broadcasting
- Writing for Media
- Visual Communication

SECOND SEMESTER

- Basic Writing Skills - 2
- Digital Still Photography
- Evolution of Arts
- Mass Communication Theories
- Elements of Film
- Human Rights

Practicals

- Computer Applications in Media - 2
- Digital Audio Production - 2
- Broadcast Journalism
- Digital Still Photography

THIRD SEMESTER

Theory

- Media Ethics
- Print Journalism
- Television Production-1
- Media & Culture

Practicals

- Web Designing
- Print Journalism
- Television Production-1

FOURTH SEMESTER

Theory

- Television Production-2
- Advertising & Public Relations
- Management of Electronic Media Anchoring
- New Media Technologies

Practicals

- Television Production-2
- Advertising & Public Relations
- Anchoring

FIFTH SEMESTER

Theory

- Mass Media Research
- Communication & Development
- Film Studies
- Corporate Communication

Practicals

- Television Production-3
- Seminar & Presentations

SIXTH SEMESTER

- Thesis
- Internship

BACHELOR'S DEGREE PROGRAMS OFFERED BY XAVIER SCHOOL OF SUSTAINABILITY, XUB

- Three year Bachelor's Degree Program in Human Development (B.Sc. - HD)
- Three year Bachelor's Degree Program in Sustainable Development (B.Sc. - SD)
- Three year Bachelor's Degree Program in Sustainability Science & Technology (B.Sc. - SST)

These programs are offered with an aim to reach out to the large audience of students and youth that are likely to be both decision makers and beneficiaries with regard to Human Development and Sustainable Development in the next generation. Just as the importance of planning in the welfare State permeated people's consciousness through the educational curriculum, it is hoped that such academic programs will help integrate Human Development and Sustainable Development into the mainstream debate on development as formulated through university textbooks and research. Only when the concept and practice of these two developments mingle with academic debate and research and consequently give rise to schools of interpretation, can it truly be said to have become a field, as distinct from a fad or preoccupation of a few.

B.Sc. - HD

THREE YEAR BACHELOR'S DEGREE PROGRAM IN HUMAN DEVELOPMENT

Human Development occupies a significant place in the discussion and discourse on development. Human Development can be seen not only as a means, but also an end for development. Economic growth alone does not automatically translate into human development progress. Pro-poor policies and significant investments in people's capabilities – through a focus on education, nutrition and health and employment skills-can expand access to decent work and provide for sustained progress. National policies focusing on the physical aspects of development alone seem inadequate to attain national objectives such as justice: social, economic, and political. Such development is incomplete, if it does not have a people-centric approach in order to enable them to enjoy a decent standard of living. Hence, today, both the practice and pedagogy of development are increasingly moving beyond the

classical realm of economics. Indeed, one may argue that the very frontiers of these disciplines are themselves being pushed forward to focus on people, institutions and public action.

The State and National Human Development Reports (HDRs), published annually identify and analyze a theme and also compare the status of countries on the human development index. The Human Development Reports have captured the attention of policy makers and several governments have prepared National Human Development Reports to analyze the status of human development in their respective countries. The imparting of Human Development course by XUB is a part of this ongoing effort to integrate Human Development concerns in the pedagogy of development. In the present scenario, there is an increasing demand for trained Human Development professionals who can assist the government in scanning and preparing Human Development reports at the State and National level. B.Sc-HD will help students understand development dilemmas in addition to building their capability, aptitude and ability. It helps strengthen human beings not only intellectually but also socially and ethically.



PROGRAM OBJECTIVES

The program aims at enabling the prospective students to:

- 1 Analyze the effects of historical, social, political, economic, cultural, and global forces on the area under study.
- 2 Measure and Report Human Development and will be able to critically evaluate theories and research on Human Development.
- 3 Identify, plan, revise, analyze, utilize, critique, assess and evaluate development programs and projects.
- 4 Appreciate the significance of human rights, governance, dimensions, ethics, sustainability, financing and managerial competencies of human development.
- 5 Acquire in-depth knowledge of the local, national and global perspectives and experiences in Human Development and develop their problem solving and analytical thinking skills through exposure to practical examples.
- 6 Compete and make informed choices for pursuing higher education at Post Graduate and doctoral level in the field of social sciences and sustainable development.

PROGRAM FOCUS

- Human Development: Concept and Evolution
- Dimensions of Human Development
- Measurement and Reporting on Human Development
- Governance & Institutions for Human Development and Evaluation of Human Development Programs and Projects.
- Factors Impacting Human Development
- Sustainability, Financing and Managerial Competencies of Human Development.

Designing this Unique Curriculum on Human Development: A collaborative process

The program has been designed in collaboration with UNDP-India which assisted XIMB/XUB. A two day national workshop titled “*Building Institutional Capacities for Mainstreaming Human Development*” was organised on 29th and 30th October 2014 at XIMB/XUB. This important workshop was attended

by eminent thinkers and practitioners representing academic institutions, civil society organisations, government departments and UN agencies. Some of the organisations participated in this workshop are, UNDP-India, TISS, JNU, IGIDR, OXFAM, IIT-Guwahati, Assam University, National Law University, Odisha, PHFI, Institute for Human Development, Guwahati University, Assam University, Patna University, Planning Commission, Gol and CYSD.

PEDAGOGY

There will be multiple teaching methods including interactive lecture sessions, case analysis, group discussions, interaction with experts and practitioners and use of videos, documentaries and films related to Human Development. The program will be research based and will also have the following practical components of 5 credits each.

2 Mini Research Projects (5 Credits each - one month in 2nd year and one month in 3rd year)

As already mentioned that the program is research based, the students will be required to take up two mini research projects which are micro studies, either desk based or desk and field based on a topic of current interest.

Summer Internship (two months in 3rd year)

Students will spend eight weeks in various organisations to learn and experience how Human Development is being mainstreamed in both organisations and the community. The students will assist the host organization in preparing Human Development Report at the National, State, District, Block and Panchayat level. They will also analyze the current reports to identify gaps and develop strategies for future use.

Capstone Project (5 Credits - two months in 3rd year)

Each student has to undertake a capstone project in which they have to design and develop a Human Development Report of the project area. **Capstone Projects** are usually more “experiential” projects where students take what they’ve learned in the class and apply it to examine a specific idea in the form of an action project and write his/her learning and experiences which can add to development of knowledge, skill and behavioral change.

PROGRAM STRUCTURE

The Program will have a Foundation Course in the 1st year, Core Course in the 2nd year and Applied Course in the 3rd year spread over 6 semesters in these three years. A student has to earn a total of 150 credits (50 credits in each year)

First Year (Foundation Courses)**(50 Credits- Semester 1 & 2)**

- English Language & Business Communication
- Introduction to IT
- Introduction to Social Sciences – Sociology
- Introduction to Social Sciences - Economics
- Statistics and Quantitative Analysis
- Introduction to Philosophy and Science
- Introduction to Behavioral Science – Psychology
- Introduction to Social Sciences – Political Science
- Concept and Evolution of Human Development
- Introduction to Natural Science

Second Year (Core Courses)**(50 Credits- Semester 3 & 4)**

- Social Research Methods
- Measuring and Reporting on Human Development
- Evaluation of Programs and Projects
- Law and Human Development
- Geography and Human Development
- Sustainability and Human Development
- Dimensions of Human Development
- Select Issues in Human Development
- Mini Research Project I

Third Year (Applied Courses)**(50 Credits - Semester 5 & 6)**

- Managerial Competencies for Human Development
- Governance and Institutions for Human Development
- Human Rights and Human Development
- Faith and Human Development
- Mini Research Project II
- Financing Human Development
- Ethical Dimensions of Human Development
- Indian Perspectives and Experiences
- Capstone Project

Fee Structure (in Rs.) of B.Sc. Human Development

	First Year	Second Year	Third Year
Program Fee	1,75,000	2,00,000	2,25,000
Course Material	10,000	10,000	10,000
IT expenses	10,000	10,000	10,000
Organisational/ Outbound Learning	8,000	8,000	8,000
Caution Deposit	15,000	-	-

DEGREE

The Xavier University will award the B.Sc in Human Development degree to the students who successfully complete classroom and field learning equivalent to 150 credits including Research and Internship and fulfill the prescribed academic requirements of the Program. The degree is awarded at the Annual Convocation which is usually held in the month of March/April.

**B.Sc. – SD****THREE YEAR BACHELOR'S DEGREE PROGRAM
IN SUSTAINABLE DEVELOPMENT**

The United Nations Millennium Development Goals (MDGs) which are a set of 8 goals that all 191 UN member states had agreed following the Millennium Summit of the United Nations in 2000 and following the adoption of the United Nations Millennium Declaration commit world leaders to combat poverty, hunger, disease, illiteracy, environmental degradation, and discrimination against women by 2015. No doubt, the 15 year concerted efforts of national governments, the international community, civil society and the private sector have helped expand hope and opportunity for people around the world and has produced the most successful anti-poverty movement in history, yet the job is unfinished for millions of people. We need to go the last mile on ending hunger, achieving full gender equality, improving health services and getting every child into school. The time has come to shift the world onto a sustainable path.

The framing of developmental debates is going to change a bit in the coming days with the adoption of the Post-2015 Development Agenda in the forthcoming UN Summit in Sept 2015 in New York. The negotiations to finalize the agenda – Transforming our world: The 2030 Agenda for Global Action – are in their last stages. What we will soon see would be called Sustainable Development Goals, Goals (SDG). These SDGs would be replacing the Millennium Development Goals (MDGs) that are set to expire at the end of 2015. The SDGs will guide policy and funding for the next 15 years, beginning with a historic pledge this coming September to end poverty, everywhere permanently. The SDGs were first talked about at the United Nations Conference on Sustainable Development (popularly known as Rio+20) held in Rio de Janeiro in June 2012. The 17 goals that one is more likely to hear about in the coming days are: *end poverty and hunger, ensure well being and quality education, gender equality, water and sanitation, affordable and sustainable energy, productive employment, technology to benefit all, reduce inequality, safe cities and communities, sustainable consumption, combat climate change, conserve and sustainable use of marine resources, restoration of terrestrial ecosystems, promote peace and justice and revitalizing the global partnership* for sustainable development. They are action-oriented, concise and easy to communicate, limited in number, aspirational, global in nature and universally applicable to all countries while taking into account different



national realities, capacities and levels of development and respecting national policies and priorities.

Sustainable development which means development that meets the needs of the present without compromising the ability of future generations to meet their own needs is one of the most pressing challenges facing humanity today. Sustainable development recognizes the inseparable link between people, the planet, and wealth; it advocates for policies that fully consider these three components to ensure that none negatively impact the others. Achieving sustainable development requires systemic and integrated approaches that consider the complex interactions between the planet's natural and social systems, while working at multiple levels of society, from the local to the global. The role of universities in this context assumes significance in order to create and nurture the next generation of managers and leaders who can anchor sustainable development. Building on XIMB's (Xavier Institute of Management Bhubaneswar) cutting-edge programs in business, rural management and sustainability management and its uncompromising spirit of caring for nature, Xavier University Bhubaneswar (XUB) has decided to respond to the global call and cry to promote the cause of sustainable development.

In order to promote sustainable development that can contribute to nation building a first of its kind Bachelor Degree Program in Sustainable Development of XUB is founded on the belief that students must be trained in a variety of disciplines in order to be effective leaders in the field of Sustainable Development. This program aims to equip students with values of equity, justice, peace and ecological and ethical sensitivity towards creating a future world of the 21st century which deeply connects nature and humanity.

PROGRAM OBJECTIVES

The program aims at enabling the prospective students to:

- 1 Analyze the effects of historical, social, political, economic, cultural, and global forces on the area under study.
- 2 Measure and Report Sustainable Development Goals and will be able to critically evaluate theories and research on Sustainability.
- 3 Identify, plan, revise, analyze, utilize, critique, assess and evaluate development programs and projects.
- 4 Appreciate the significance of Science, Environment, Technology, Society
- 5 Acquire in-depth knowledge of the local, national and global perspectives and experiences in Sustainable Development and develop their problem solving and analytical thinking skills through exposure to practical examples.
- 6 Acquire in-depth knowledge on Ecology, Evolution, Global Warming, Climate Change, Natural Resources Management, Sustainability, Policies, Laws and Governance
- 7 Develop a deeper knowledge of the sustainable energy systems and the natural and social sciences that are important to sustainable development.
- 8 Compete and make informed choices for pursuing higher education at Post Graduate and doctoral level in the field of social sciences and sustainable development.

PROGRAM FOCUS

- Sustainability and Human Development
- Measuring, Reporting of SDGs and Evaluating Programs and Projects.
- Ecology, Evolution, Global Warming, Sustainable Energy Systems, Climate Change and Natural Resources Management
- Sustainability, Policies, Laws & Governance
- Health, Nutrition, Education, Water and Waste Management
- Principles of Sustainable Economic Development
- Science, Environment, Technology & Society

PEDAGOGY

There will be multiple teaching methods including interactive lecture sessions, case analysis, group discussions, interaction with experts and practitioners and use of videos, documentaries and films related to Sustainability. The program will be research based and will also have the following practical components of 5 credits each.

2 Mini Research Projects (5 Credits each - one month in 2nd year and one month in 3rd year)

As already mentioned that the program is research based, the students will be required to take up two mini research projects which are micro studies, either desk based or desk and field based on a topic of current interest.

Summer Internship (two months in 3rd year)

Students will spend eight weeks in various organisations to learn and experience how sustainability is being mainstreamed in both organisations and the community. One of the important elements of Summer Internship is conducting a Sustainability Audit of the host organisation. The Summer Internship intends to equip the students focus on sustainability challenges in industry, government and civil society, and participate in the analysis and the problem solving process.

Capstone Project (5 Credits - two months in 3rd year)

Each student has to undertake a capstone project in which they have to prepare a Sustainable Development Report of the project area. **Capstone Projects** are usually more “experiential” projects where students take what they’ve learned in the class and apply it to examine a specific idea in the form of an action project and write his/her learning and experiences which can add to development of knowledge, skill and behavioral change. Students meet with practitioners and work with real world clients in need of sustainable solutions for specific problems.

PROGRAM STRUCTURE

The program will have a Foundation Course in the 1st year, Core Course in the 2nd year and Applied Course in the 3rd year spread over 6 semesters in these three years. A student has to earn a total of 150 credits (50 credits in each year)

Fee Structure (in Rs.) of B.Sc. Sustainable Development

	First Year	Second Year	Third Year
Program Fee	1,75,000	2,00,000	2,25,000
Course Material	10,000	10,000	10,000
IT expenses	10,000	10,000	10,000
Organisational/ Outbound Learning	10,000	10,000	10,000
Caution Deposit	15,000	-	-

DEGREE

The Xavier University will award the B.Sc in Sustainable Development degree to the students who successfully complete classroom and field learning equivalent to 150 credits including Research and Internship and fulfill the prescribed academic requirements of the program. The degree is awarded at the Annual Convocation which is usually held in the month of March/April.

First Year (Foundation Courses)

(50 Credits- Semester 1 & 2)

- English Language & Business Communication
- Introduction to IT
- Introduction to Social Sciences – Sociology
- Introduction to Social Sciences - Economics
- Statistics and Quantitative Analysis
- Introduction to Philosophy and Science
- Introduction to Behavioral Science - Psychology
- Introduction to Social Sciences – Political Science
- Concept and Evolution of Human Development
- Introduction to Natural Science

Second Year (Core Courses)

(50 Credits- Semester 3 & 4)

- Social Research Methods
- Measuring and Reporting on Human Development
- Evaluation of Programmes and Projects
- Law and Human Development
- Geography and Human Development
- Sustainability and Human Development
- Dimensions of Human Development
- Select Issues in Human Development
- Mini Research Project I

Third Year (Applied Courses)

(50 Credits - Semester 5 & 6)

- Managerial Competencies for Human Development
- Governance and Institutions for Human Development
- Human Rights and Human Development
- Faith and Human Development
- Mini Research Project II
- Financing Human Development
- Ethical Dimensions of Human Development
- Indian Perspectives and Experiences
- Capstone Project

XAVIER SCHOOL OF SUSTAINABILITY

B. SC. – SST

THREE YEAR BACHELOR'S DEGREE PROGRAM IN SUSTAINABILITY SCIENCE & TECHNOLOGY



Sustainability science & technology has emerged in recent years as a vibrant field of research and innovation. Its foundations are built on the natural and social sciences, engineering and medicine, and the multiple knowledge of practice. Its methods are integrative and translational, seeking to link knowledge with action. The literatures of sustainability science & technology have been growing exponentially, with contributors spread across the developed and developing world. The B.Sc in Sustainability Science and Technology Program at XSOS addresses the challenge of sustainable development by: advancing scientific understanding of human-environment systems; application of science and technology to address sustainability issues and concerns; improving linkages between research and policy communities; and building capacity for linking knowledge with action to promote sustainability. B.Sc in SST offered by XUB is an effort to accelerate the contribution of science & technology towards sustainable development.

PROGRAM OBJECTIVES

The program aims at enabling the prospective students to:

- Understand the principles of Sustainability Science and its applicability in community systems.
- Analyze evaluate and understand the merits of technology from sustainability orientation.
- Identify, plan, revise, analyze, utilize, critique, assess and evaluate science and technology based policies programs and projects.
- Appreciate the affect of technology on humans and environment and learn by examples of how to mitigate the damaging impact.
- Acquire in-depth knowledge of the local, national and global perspectives on sustainability issues and concerns and develop their problem solving and analytical thinking skills through exposure to practical examples.
- Compete and make informed choices for pursuing higher education at Postgraduate and doctoral level in the field of sustainable management and scientific research.

PROGRAM FOCUS

- Basics and Principles of Sustainability Science
- Sustainability Technology, Law and Policy
- Environmental Challenges and Mitigation
- Sustainable Energy Systems
- Climate Change and Natural Resources

PEDAGOGY

There will be multiple teaching methods including interactive lecture sessions, case analysis, group discussions, interaction with experts and practitioners and use of videos, documentaries and films related to Human Development. The program will be research based and will also have the following practical components of 5 credits each.

2 Mini Research Projects (5 Credits each - one month in 2nd year and one month in 3rd year)

As already mentioned that the program is research based, the students will be required to take up two mini research projects which are micro studies, either desk based or desk and field based on a topic of current interest.

Summer Internship (two months in 3rd year)

Students will spend eight weeks in various organisations to learn and experience how Human Development is being mainstreamed in both organisations and the community. The students will assist the host organization in preparing Human Development Report at the National,





State, District, Block and Panchayat level. They will also analyze the current reports to identify gaps and develop strategies for future use.

Capstone Project (5 Credits - two months in 3rd year)

Each student has to undertake a capstone project after completion of which he/she has to prepare a project report on application of sustainability oriented scientific principles and technology. Capstone Projects are usually more "experiential" projects where students take what they've learned in the class and apply it to examine a specific idea in the form of an action project and write his/her learning and experiences which can add to development of knowledge, skill and behavioral change.

PROGRAM STRUCTURE

The program will have a Foundation Course in the 1st year, Core Course in the 2nd year and Applied Course in the 3rd year spread over 6 semesters in these three years. A student has to earn a total of 150 credits (50 credits in each year)

FIRST YEAR (FOUNDATION COURSES)

(50 Credits- Semester 1 & 2)

- English Language & Business Communication
- Introduction to IT
- Introduction to Social Sciences – Sociology
- Introduction to Social Sciences - Economics

- Statistics and Quantitative Analysis
- Introduction to Philosophy and Science
- Introduction to Behavioral Science - Psychology
- Introduction to Social Sciences – Political Science
- Concept and Evolution of Human Development
- Introduction to Natural Science

SECOND YEAR (CORE COURSES)

(50 credits - Semester 3 & 4)

- Engineering Mathematics
- Engineering Physics
- Chemical Principles
- Biological Principles
- Principle of Sustainability Science
- Introduction to Environmental Engineering
- Introduction to Natural Resources
- Systems Microbiology
- Introduction to Atmospheric Science
- Introduction of Earth Science and Hydrogeology
- Mini Research Project I

THIRD YEAR (APPLIED COURSES)

(50 Credits - Semester 5 & 6)

- Environmental Impact and Risk Assessment
- Pollution Prevention and Remediation Technology
- Aquatic Environmental Study
- Industrial Safety and Quality Audit
- Product Life Cycle and Responsible Consumption
- Green Engineering and Sustainable Design
- Mini Research Project II
- Sustainable Energy System
- Law and Policy in Sustainability Development
- Climate Change and Global Warming : Mitigation and Modeling
- Capstone Project

DEGREE

The Xavier University will award the B.Sc in Sustainability Science & Technology degree to the students who successfully complete classroom and field learning equivalent to 150 credits including Research and Internship and fulfill the prescribed academic requirements of the

program. The degree is awarded at the Annual Convocation which is usually held in the month of March/April.

FEE STRUCTURE (IN Rs.)

	First Year	Second Year	Third Year
Program Fee	1,75,000	2,00,000	2,25,000
Course Material	10,000	10,000	10,000
IT expenses	10,000	10,000	10,000
Organizational/ Outbound Learning	10,000	10,000	10,000
Laboratory	-	15,000	15,000
Caution Deposit	15,000	-	-

INTEGRATED MBA IN SUSTAINABILITY MANAGEMENT

This is a unique opportunity for students to get a degree of MBA in Sustainability Management and a Bachelor's Degree in relevant field of Human Development/ Sustainable Development/ Sustainability Science & Technology. The 5 years course is a comprehensive one to train young minds towards in-depth sustainability learning and make a meaningful contribution as Sustainability Managers. The program curriculum will be same as the Bachelor's Degree Programs in Human Development, Sustainable Development and Sustainability Science & Technology as well as MBA-SM.

ELIGIBILITY CRITERIA

Eligibility criteria are same as Bachelor's Degree Programs offered at XSOS.

*To continue in the Program at the Postgraduate level of MBA-SM, the student must secure a 1st class in Bachelor's Degree.

FEE STRUCTURE

The fees will be a combined fee of Bachelor's Degree Programs offered at XSOS and MBA-SM program.