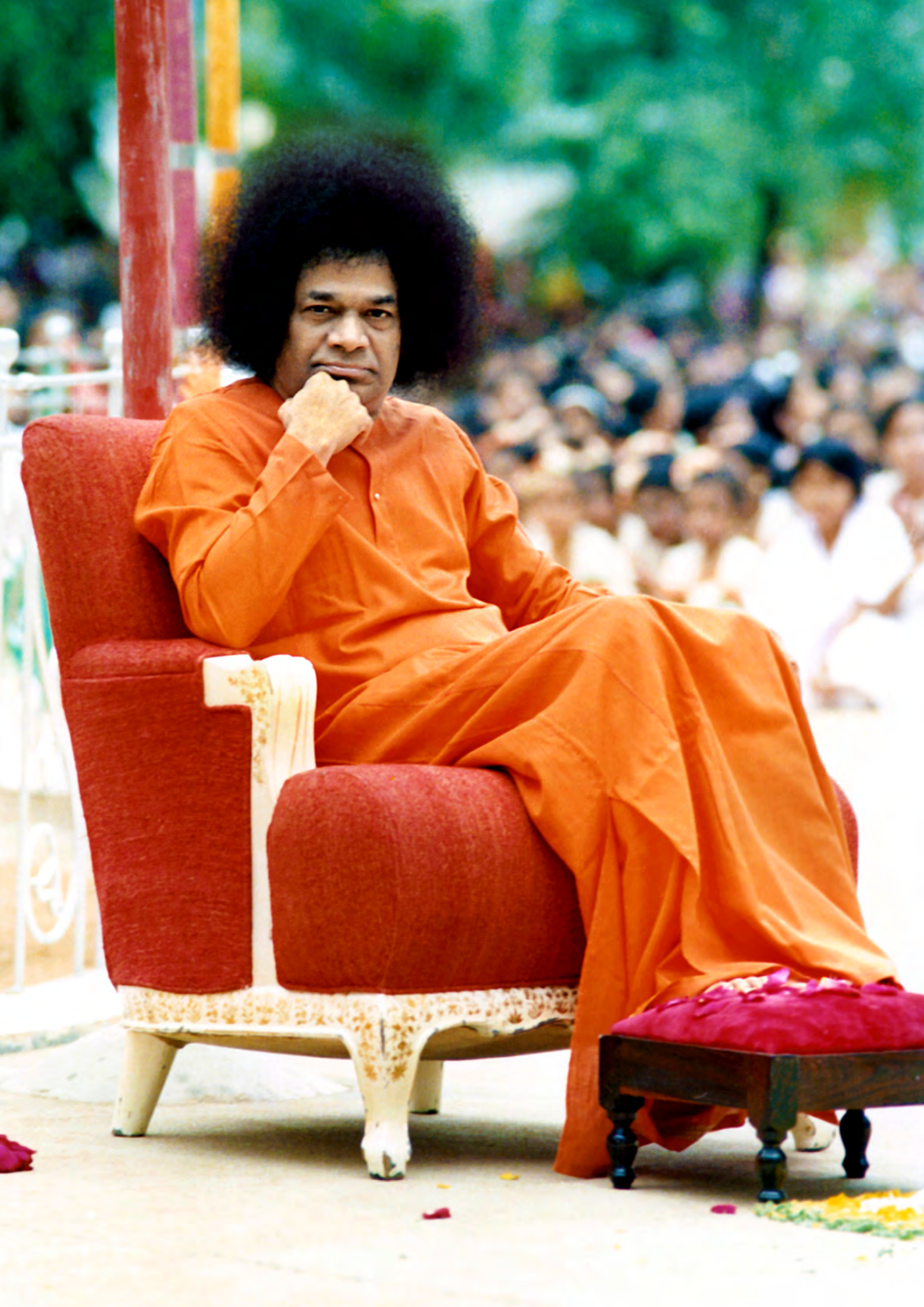
postgraduate

SRI SATHYA SAI INSTITUTE OF HIGHER LEARNING
PRASANTHI NILAYAM
सत्यं वद धर्मं चर

Postgraduate Programmes

Admissions Prospectus

2024



The Underlying Philosophy

The Sai educational institutions have been established not merely to enable students to earn a living but to make them acquire good traits, lead ideal lives, and give them ethical, moral and spiritual strength. I have established them with a view to inculcate love and teach good qualities to students. They will learn here humility, discipline and faith.

I have established these institutions to impart spiritual education as a main component and worldly education as a secondary one. Education should enable one to cultivate good qualities, character and devotion. The teaching of the university curricula is only the means employed for the end, namely, spiritual uplift, self-discovery and social service through love and detachment.

This will be a Gurukula – a place where teachers and taught will grow together in love and wisdom - and like the ancient system of education, it will develop in its students a broad outlook and promote virtues and morals, which serve to foster noble ideals in society.

This Institute will be a temple of learning where youth are shaped into self-reliant, contented and enterprising heroes of action and self-sacrifice, for the purpose of serving humanity.

SRI SATHYA SAI BABA
Revered Founder Chancellor, SSSIHL

Contents

Introduction

Postgraduate Programmes

From the admissions office

Welcome to Sri Sathya Sai Institute of Higher Learning (SSSIHL).

This prospectus is for students interested in applying for postgraduate study at SSSIHL.

The first few pages will give you an introduction to the Institute and why SSSIHL is so unique. It will give you information on the application process, programme descriptions and detailed information on each postgraduate programmes available for 2024 admissions.

Detailed information about the Institute and the admissions process can also be found on our website, **sssihl.edu.in/admissions**

Good Luck and Sai Ram!

Admissions Office
Office of the Registrar, SSSIHL

Sri Sathya Sai Values-based Integral Education

Sri Sathya Sai Institute of Higher Learning (Deemed to be University), Prasanthi Nilayam, Andhra Pradesh, India, is a visible manifestation of Bhagawan Sri Sathya Sai Baba's vision of education for human transformation.

Bhagawan Baba designed Sri Sathya Sai Values-based Integral Education to ensure deep inner transformation of students during their time at SSSIHL. This concept is unique at the university level of education.

The Institute hosts students from across the country at its four campuses located in Andhra Pradesh and Karnataka, India, and provides quality education free of cost for all programmes of study.

For Women:

- Anantapur Campus at Anantapur, Andhra Pradesh

For Men:

- Prasanthi Nilayam Campus at Puttaparthi, Andhra Pradesh
- Brindavan Campus at Kadugudi, Bangalore, Karnataka
- Muddenahalli Campus at Muddenahalli, Karnataka

Programmes offered include:

- Undergraduate: B.A., B.S. (Hons.), B.Com. (Hons.), B.S. & B.S. (Hons.), B.B.A., B.P.A.
- Postgraduate: M.A., M.Sc.
- Professional: B.Ed., M.B.A., M.Tech.
- Research: Ph.D.

A Modern Gurukula

Sri Sathya Sai Institute of Higher Learning (SSSIHL) was founded to inculcate ethical and moral values in students, along with secular education. This transformation (of students, teachers, and staff) has been the guiding principle right from its inception when it integrated ethics and values as the undercurrent of every subject taught at the Institute. Combined with academic and research excellence, the Institute provides its students with a holistic framework of interpersonal development. Its residential character trains the student's mind, body, and spirit in an environment similar to the ancient Indian 'gurukula' system of education in the most modern context.

Teachers and students live and grow together in an atmosphere of mutual trust and unity. This helps students develop a wholesome and balanced personality, where academic competence is intertwined with value systems.

Distinctive Features

Admissions

- Free, high-quality education for all students
- Merit-based open admissions policy for all, irrespective of income, religion or region

Residential Character

- A residential character where all students, doctoral research scholars and select teaching faculty reside together in the hostel, which enables the translation of lessons learned into practical skills through experiential learning
- Spiritual ambience in an environment of discipline and love
- Cultivation of the spirit of self-reliance, brotherhood and sacrifice through mentoring and personal example

Infrastructure

- Campuses set in spacious and peaceful surroundings
- Well-equipped, modern science laboratories and a cutting-edge Research Instruments Facility
- Automated Library using an Integrated Library Management System (ILMS) with a digitisation facility accessed through the online Public Access Catalogue (OPAC) within the campus premises
- Libraries across campuses with over 1,90,000 volumes
- Connected to the National Knowledge Network (NKN)
- Computer and Multimedia learning centres with ultra-high-speed internet connectivity
- International Centre for Sports at the Prasanthi Nilayam Campus and multiple sports facilities at other campuses

Academics & Research

- 4-year undergraduate curriculum aligned to NEP 2020, extending to Postgraduate studies
- Student-teacher ratio 8:1
- Research collaborations with premier Indian and International Institutions and Industry
- Interdisciplinary / multidisciplinary research for societal benefit
- Awareness Programmes and Moral Classes reinforcing human values

Integral Education

- Life lessons learned through the message of the Revered Founder Chancellor, Bhagawan Sri Sathya Sai Baba
- Integrating human values with secular knowledge
- Inculcating the spirit of self-reliance and service to society
- Synthesis of science and spirituality for societal benefit
- The concept of integral education that SSSIHL imparts is pursued by all teachers, staff, and students

The Process

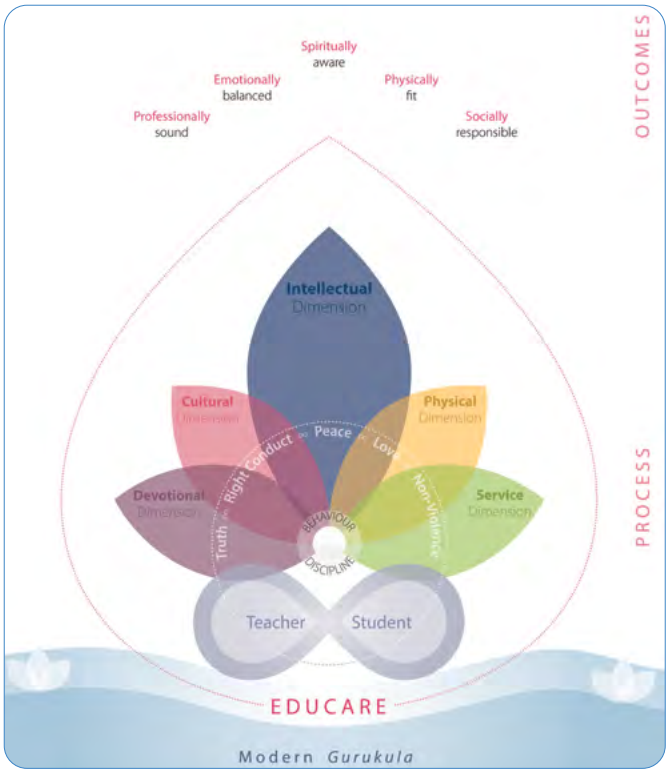
Sri Sathya Sai Values-based Integral Education is a modern, rational, scientific education system rooted in Indian ethos. It takes the best of both ancient and contemporary learning techniques.

As depicted in the diagram, the base is the concept of a modern Gurukula that sustains all relationships and activities at SSSIHL. It is responsible for creating and sustaining the congenial environment necessary for the teacher-student interaction to grow and develop.

Adherence to discipline and appropriate behaviour are the two important aspects that encompass all interactions. The five human values of Truth, Right Conduct, Peace, Love and Non-violence form the undercurrent of the integral education's dimensions.

These dimensions are Intellectual, Physical, Cultural, Devotional and Service. The key activities for each dimension form the basis of most of a student's time at SSSIHL.

Bhagawan Baba purposefully designed the system of Integral Education so that students spend their time on academics (intellectual capacities) and developing other qualities. See the Integral Education Activities for further details.



Sri Sathya Sai Values-based Integral Education

The Daily Routine

This is a crucial component of this process. Each student's day starts at 5:00 a.m., with a couple of hours spent in prayer, exercise and other vocational pursuits (such as practice sessions for music, band, traditional Indian music, etc.).

Classes commence at 8:45 a.m. After college ends at around 4:00 p.m., students move to the Sports Field / Mandir / Prayer Hall for participation in sports and games / congregational chanting (Veda), devotional singing (bhajans), and other spiritual activities. These also include talks by eminent speakers on a variety of spiritual topics. Post dinner, students continue to concentrate on their studies.

The Outcome

The outcomes of the system of Values-based Integral Education at SSSIHL are threefold. It prepares all graduates to be:

- Professionally sound
- Emotionally balanced
- Physically fit
- Socially responsible and
- Spiritually aware

It helps develop a strong character and positive qualities in students and nurtures virtues like adaptability, tolerance and sacrifice, shaping them into noble and responsible citizens.

LEARN MORE

Visit the About Us section of our website to learn more about the uniqueness of SSSIHL.

This includes information on our Revered Founder Chancellor, what makes SSSIHL a modern Gurukula, our vision and philosophy, campuses, facilities and more.

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Sri Sathya Sai Baba
Revered Founder Chancellor, SSSIHL

Integral Education Activities

Students spend their time at SSSIHL on all five dimensions of the Sri Sathya Sai Values-based Integral education: Intellectual, Devotional, Cultural, Physical, and Service. These are highlighted below.

Devotional Dimension

- Bhajans (Sankirtan)
- Vedic chants and stotrams
- Meditation & Silent sitting
- Suprabhatam (prayer at dawn)
- Assembly (college prayer)
- Brahmarpanam (food prayer)
- Kshama Prarthana (night prayer)

The activities of the devotional dimension enable a student to connect to his/her Divine inner Self. This inner connection opens the heart and brings forth the feeling of love, compassion and empathy for fellow human beings.

Cultural Dimension

- Celebration of festivals: Guru Poornima, Ganesh Chaturthi Ugadi, Republic Day, Independence Day, Eid-al-Fitr, Christmas Sri Krishna Janmashtami, Sri Ramanavami, Buddha Jayanti, etc.
- Brass Band
- Nadaswaram & Panchavadyam ensemble
- Annual Sports & Cultural Meet
- Performing Arts: Music programmes, Drama & Dance
- Fine Arts: Rangoli, Cardmaking, Photography, Altar making
- Public Speaking
- Debates and Elocution

The cultural dimension is designed to give students wide opportunities to find an avenue for their individual artistic expression.

The Institute makes every effort to provide the best possible material and human resources so that students excel at their chosen activities.

Festivals of major world religions are celebrated, reinforcing the unity among all faiths. Every student is involved in one way or another in the celebration of these festivals.

Physical Dimension

- Sports
- Games
- Jogging
- Exercises and Yogasanas
- Annual Sports & Cultural Meet

Sports and games are a part of the daily routine of all students. From yoga classes to fitness training, team sports to individual sports, students are encouraged to overcome their limitations and excel in these activities. SSSIHL has excellent sports facilities.

Service Dimension

- Self-reliance departments:
  Electricals, Plumbing (water supply), Audiovisual, General store, Dispensary, Dietary services, Hostel mess, Arts & Crafts, costumes & props, etc.
- Community living
- Social work
- Voluntary work
- Grama Seva (Village Service)
- Prasadam distribution

The service philosophy at SSSIHL is based on the concept that divinity pervades all of humanity; hence, when you serve others, you are serving the Divine. Students learn to serve without expecting anything in return, other than the deep inner satisfaction of serving others.

The compulsory residential system, where students live in dormitory-styled accommodation with other students from totally different backgrounds (for a minimum of two years and up to five years or more), provides an excellent foundation for the service dimension.

Intellectual Dimension

Apart from academics and research, the activities in this dimension include:

Awareness Courses
These mandatory courses are designed to cultivate a broad view of the human condition in students. The course content (e.g. the Unity of Religions and Faiths, Study of the Indian Epics, etc.) helps trigger self-reflection and enquiry and sensitises students to the concerns of society, and gets them to think about practical solutions to these problems.

Moral Class (Thursday)
At each campus, Thursday mornings begin with an hour of inspiring and ennobling talks by speakers focusing on their personal spiritual experiences, messages from sacred scriptures and other elevated and socially relevant themes. It also highlights students' talents in music, dramatics, elocution, debates, quizzes, etc.

Some of the topics typically include: Why are Values Important?, Where There Is E-go, He Go-es, Indian Army, Origins of Life, The Divine Architect, Madhuram Sai Brindavanam, Just another Sai Alumnus 3 km away, Life Lessons of a Data Scientist, Life Lessons as a Manager, Life is a Challenge Meet it, Lessons from the Aadhar Story, Sai Student, Moral values from the Ramayana, Divine Directions, Role and Importance of Guru, Debate on Government Should Regulate Social Media, Panel Discussion on 'Corruption Free India for a Developed Nation', Yoga & Holistic Human Health, Significance of Ugadi and several sessions on Experiences, and teachings of our Revered Founder Chancellor.

Prayer Talks
Every morning before classes commence at the college, all students and teachers gather for the morning assembly. Prayers, Veda chanting, Bhajans and a few minutes of silent sitting are sometimes followed by a talk by students, faculty members or invited guests on topics related to morals and values.

Some of the topics typically include: God is Just a Call Away, How to Become a Beautiful Page in Swami's Scrap Book, Proximity With God is the Greatest Wealth of All, Trial and Errors with Swami: Realisation in His Presence, His Delays are Not His Denials, Positivity in Life, Trust in God's Timings and Have Faith in His Decisions, Power of Thoughts, Tough Love, Self-Love – A Path to your Inner Self, The Rat Race: Choice of Freedom, Certainty in Uncertainty.

SSSIHL in numbers 2022/23

28%

Admissions Acceptance Rates

73%

PhD

*20 pursuing

Teachers with PhDs

8:1

Student Teacher Ratio

2:1

Student Computer Ratio

41%

National Exams (Combined)

number of final year SSSIHL postgraduate students that qualified

GATE, CSIR, JRF, NET, LS, JEST, CTET, UPSC IAI, ACET, CB3, CM2, CP3, CP2, CS1, DS1 and MAS

SSSIHL Students represent

23

out of 28 states of India

Student Diversity

₹ 2.53 lakh

Expenditure per Student / per year

90%

Undergraduate Programmes

95%

Postgraduate & Professional Programmes

Examinations Pass Rates

90+ Students passed at least one actuarial exam

36 Student actuarial data science projects at post-graduate level

18 International Actuarial Conference Presentations made

23+ Job placements in reputed firms

01 CAS Student Scholarship of $2,500 received

02 PhDs Awarded

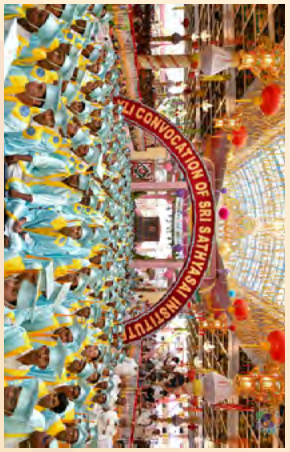
36 Research Papers/ Book Chapters Published

03 Tools Developed For Industry

100+ Students trained in Predictive Analytics using Python/R

01 CAS Individual Research Grant of $18,000

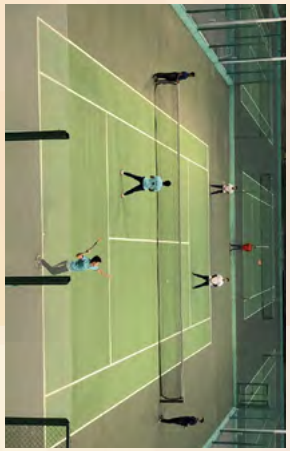
★SSSIHL is recognized as one of the four universities in the world to receive a $5,000 monetary award for the innovative and exemplary ways of preparing actuarial students for a career in P&C.

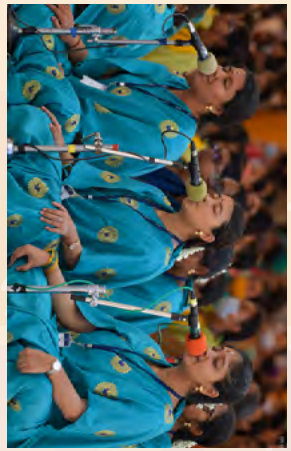
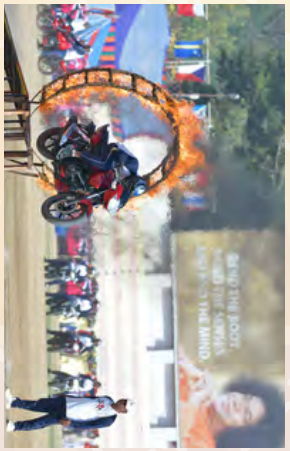











Sai Student Life

Student Life @ SSSIHL

Campuses

SSSIHL campuses are all located in areas surrounded by mountains, greenery and nature, which helps create an ambience for integral education that the Institute curricula imparts Visit our **Campuses** page to learn more. You can also see the **Facilities** students have access to.




Hostel life

The philosophy of hostel life is based on the approach of community living: each one lives for the other and all live together for a common higher cause.

Students from different states of India, and varied economic and cultural backgrounds live in dormitory-styled accommodation with 10-14 students staying together in a room. the aesthetically pleasing hostel buildings also create a noble ambience for students to live in.

As a result, the hostel is a miniature model of the world outside with people of different habits, temperaments, lifestyles, language and outlook staying together and working. This develops the qualities of understanding, adjustment, sharing and caring amongst the students. It nurtures virtues like adaptability, tolerance and sacrifice; developing students into noble and responsible citizens.

The ambience is suffused with both discipline and loving care. All doctoral research scholars reside with the students in the hostel. The relationship between the students and teachers is very cordial and warm, and the teachers pay personal attention to the problems of each and every student. The teachers are chosen with extreme care to play an important role in this process. Many of them are alumni of the Institute, dedicated and well versed in integral education. They serve as facilitators and are available at all times for mentoring the students on personal and academic matters.

Personal cleanliness, punctuality and regularity, general behaviour, personal etiquette and room cleanliness are the major components of the discipline that is followed at SSSIHL hostels.

Self reliance

A major portion of the functioning of the hostel is taken care of by the students and resident staff members. The guiding principles of the hostel are a simple life coupled with self reliance. Students do their work with least dependence on external agencies. To inculcate the dignity of labour and respect for work, most functions and departments of the hostel are run by students under the able guidance of resident faculty.

The self reliance departments include:

- Electrical
- Plumbing (water supply)
- Audiovisual
- General store
- Dispensary
- Dietary services
- Hostel Mess
- Arts & Crafts
- Costumes & props

These self reliance activities enable students to become self-confident and independent. They also contribute to developing leadership and entrepreneurial skills. To maintain continuity and effective succession planning, senior students train the junior students in all aspects of respective self reliance departments before graduating.


Postgraduate Programmes

Application Process

SSSIHL is unique

As detailed in the **Introduction** pages above, SSSIHL is unique in several ways.

Firstly, aligned with the vision of Bhagawan Sri Sathya Sai Baba, **education at SSSIHL is provided FREE to all students for all programmes of study**.

This commitment aims to eliminate financial barriers and promote access to quality education for all deserving candidates, fostering an inclusive learning environment.

SSSIHL **does not** levy any of the following fees:

- **Tuition** fees
- **Admissions** fees
- **Infrastructure & Development** fees
- **Library** fees
- **Examination** fees
- **Basic amenities** fees
- **Sports** fees
- **Medical** fees*

**students have access to free medical treatment at Sri Sathya Sai General and Sri Sathya Sai Super Speciality Hospitals located at Prasanthi Nilayam and Whitefield, Bangalore.*

Hostel fees: Boarding and lodging charges will be communicated to selected candidates.

Secondly, owing to the unique system of education, we have the following notice that applies to all applicants (at all levels of study):

NOTICE TO ALL APPLICANTS

Given the unique modern Gurukula system of Values-based Integral Education at SSSIHL, it is mandatory that all students **study and reside at gender-specific campuses** during their entire period of study.

Programmes for Admissions

As a first step, carefully review in detail the descriptions of the programmes you are interested in. These can be found from page 19 onwards in this prospectus.

Each programme includes an **overview**, **eligibility requirements** (for that particular programme) and a comprehensive **list of courses** in each year (per semester of study).

Eligibility

The requirements for admissions vary from programme to programme. See the individual Programme pages for detailed information.

Candidates who do not meet all the admissions criteria listed for the programme they apply to will not be eligible for admissions.

Sri Sathya Sai Institute of Higher Learning (Deemed to be University) has a merit-based **Admissions Policy** open for all.

NOTE: Relaxation of admissions norms for special categories is applicable **as per the Govt. of India** guidelines.

Application Guide

NOTE: Applications for admissions to all programmes at SSSIHL are **ONLINE ONLY**.

After you have decided on what programme to apply for, head over to the **Application Guide**. This page will give you step-by-step guidance on how to successfully apply for a programme at SSSIHL.

Once you submit your online application, you will not be able to change it.

Therefore, it is **very important** you go through the **Application Guide** and read the important information it provides on various aspects of the application such as Registration for Online applications, what documents to upload, and what happens at each stage of your application process.

Dates & Deadlines

Next, to make sure you don't miss out on a chance to apply to SSSIHL, kindly visit the **Dates & Deadlines** page of the Admissions section of the website.

Documents Checklist

Before you fill in your application form, in order to save time, make sure you keep these key documents ready in a digital format before you register and apply online.

All documents uploads must be clear, legible and attested (where required). Failure to meet these requirements may result in your application being rejected.

The documents you must upload are:

1. **One passport-sized photograph**
   Latest photograph of the applicant in the prescribed format mentioned in the application form

2. **Statement of Marks**
   Self-attested (by the applicant) photocopies of the Statement of Marks for X Std. issued by your Higher Secondary School Board

   Self-attested (by the applicant) photocopies of the Statement of Marks for XII Std. issued by your Higher Secondary School Board

   Self-attested (by the applicant) photocopies of the Statement of Marks (along with the final degree certificate) of all semesters/ years issued by the authority (University/College/Institution) which conducted the Qualifying Examinations leading to your Final degree

   Note: If you have just finished your final exams or are about to take them, please upload final mark sheets for all the years preceding the final year. If your institution follows a semester system, please upload exam mark sheets for all semesters preceding the final semester.

3. **Application fee payment receipt**
   A copy of the application fee payment receipt.

4. **Photo identification proof**
   A clear copy of any Government approved Photo ID, such as your Aadhaar card.

5. **For special categories as per Govt. of India**
   A self-attested copy of the relevant certificate issued by the statutory authorities (state / central)

Apply Online

Once you are ready with the above, visit the Apply Online page.

Registration
The first step is to register online with a valid email address (email ID). This is done on the Apply Online page. Kindly refer to Step 1 of the Application Guide for full details.

Filling and submission of your Application Form
You can then begin filling in the admissions application form online. Kindly refer to Step 5 of the Application Guide for full details.

Note: All your information is transmitted through a secure server and is kept fully confidential. Your application information and accompanying credentials are reviewed only by authorized representatives of the Institute.

Admissions Technical Viva Voce & Interviews

Next, you must wait to hear from the Institute in regards to the outcome of your application. Applicants who meet the eligibility criteria for the programme they applied for will then proceed to the next step of their application.

The list of candidates selected for the round of interviews will be published on the Admissions Lists page of the website.

Note: All notifications to applicants from SSSIHL during the entire admissions application process will be sent to your registered **email address**.

There is **no admissions test** for all Postgraduate programmes. Applications will be shortlisted based on merit. The shortlisted candidates will be asked to attend an online interview.

If you do not meet the eligibility criteria for the programme you applied for, you will be notified accordingly via email.

Results: Provisional List of Selected Candidates

Once you have attended the interview, the Institute will publish the list of selected candidates on the Admissions Lists page.

This page will be regularly updated as and when the Admissions team scrutinizes and processes applications at each stage of the admissions process.

Join SSSIHL!

Congratulations! You have got an opportunity to study at Sri Sathya Sai Institute of Higher Learning.

List of Documents to be submitted upon admission to SSSIHL

All newly admitted candidates must submit the following to the Director of the Campus on the opening day of the academic year:

- Original Marks Certificate of X and XII Standard.
- Original / Provisional Degree Certificate (or marksheets of all previous semesters / years of your current degree, if the results are not yet published)
- Transfer certificate
- Conduct certificate
- Health Record
- Caste certificate (if applicable)

How do I contact the admissions Office if I need further help?

The Admissions pages of the website are designed to make sure that candidates have all the information that they require to successfully apply to SSSIHL.

1 July 2024
Academic year 2024/25 commences

If you still need further assistance please contact us either by email or telephone.

By Email:
For admissions related queries, please email us on admissions@sssihl.edu.in.

We will answer all email enquiries within two working days of receipt of your email.

By Telephone:
To contact the admissions office for Admissions related queries, please telephone:

+91 9441 911 391 or
+91 83310 34774 or
+91 8555 287239 (landline)

The above numbers are for admissions related queries for the Institute (SSSIHL) only.

Lines are open between 9:30 a.m. and 4:30 p.m., Monday to Saturday.

Outside of these hours, please email us on either one of the above addresses, depending on the nature of your query.

You are wished the very best.
Sai Ram!

Student Support

For information related to admission of international students, admissions policies, code of conduct, anti-ragging and grievance redressal mechanisms, etc., please visit the Student Support page of our website.

Postgraduate Programmes

Programmes for Admissions

There are separate programmes available for **Women** and **Men** applicants, as the Institute hosts separate campuses for women and men students.

Given below are the **Postgraduate** Programmes open for admissions in 2024.

Postgraduate Programmes (2 years)

For **Women** candidates

M.A. in **English Language & Literature**
M.Sc. in **Biosciences**
M.Sc. in **Food & Nutritional Sciences**

For **Men** candidates

M.A. in **Economics**
M.Sc. in **Mathematics**
M.Sc. in **Physics**
M.Sc. in **Chemistry**
M.Sc. in **Biosciences**

Programme descriptions

Common Courses for all Programmes

360 DEGREES LEARNING

The unique aspect of all degree programmes at SSSIHL is that the curriculum encompasses a wide variety of types of courses: Discipline Specific and Interdisciplinary Elective Courses, Ability Enhancement courses, Multidisciplinary courses, Major Discipline Specific Core courses, Interdisciplinary Minor courses, Skill Enhancement courses, Values-based courses and Research work & projects.

These are incorporated in the programme descriptions given in this prospectus.

In addition, students spend many hours of their courses on non-classroom study: seminars, conferences, tutorials, practical and laboratory work, internships, field trips and engaging with their communities.

PUBLIC SPEAKING

Students are also encouraged to come forward and speak in front of the SSSIHL community on topics ranging from science to metaphysics, thus giving them an appropriate platform to develop their public speaking skills and to refine their thought process.

THURSDAY MORAL CLASSES

At each campus, Thursday mornings begin with an hour of inspiring and ennobling talks by speakers focusing on their personal spiritual experiences, messages from sacred scriptures and other elevated and socially relevant themes. It is also used to highlight students' talents in music, dramatics, elocution, debates, quizzes, etc.

PRAYER TALKS

Every morning before classes commence at the college, all students and teachers gather for the morning assembly. Prayers/ veda chanting/bhajans and a few minutes of silent sitting are sometimes followed by a talk by students, faculty members or invited guests on topics related to morals and values.

AWARENESS COURSE

Each semester, students take an Awareness Course. These mandatory, credited courses are common to all programmes of study and are designed to cultivate a broad view of the human condition in students.

The course content helps trigger self-reflection and enquiry and sensitises students to the concerns of society, and gets them to think about practical solutions to these problems.

YEAR 1

Semester 1
Education for Life

Semester 2
God, Society and Man

YEAR 2

Semester 3
Guidelines for Morality

Semester 4
Wisdom for Life

PROGRAMME DESCRIPTIONS

The following pages will highlight the information for each individual postgraduate programme of study at SSSIHL for 2024 entry.

This includes: the length of the programme, whether it is applicable for women candidates or men or both, the eligibility criteria and a programme overview, and a full list of courses of study for each year (and semester).

Note: SSSIHL may revise or update any aspects of a programme based on the changing requirements of the employability, industry, entrepreneurship, skill development and research.

M.A. in English Language and Literature

For Women | 2024 entry

Programme Overview

The M. A. in English Language and Literature at Sri Sathya Sai Institute of Higher Learning is one of the oldest programmes offered by the Institute, and hence the foundation of the curricular and pedagogical aspects has been laid by stalwarts and academic luminaries such as Prof. V K Gokak, Prof. Jayalakshmi Gopinath, Prof. Anima Mukherjee, Prof. Zeba Bashiruddin and Prof. Rajeshwari C Patel, among others.

This two-year programme is open to graduates from any discipline with a passion for studying English literature. The comprehensive and well-represented curriculum brings together the best of the old and the new in English literary and linguistic studies, ranging from Brit Lit survey courses to electives and interdisciplinary papers, focused on strengthening the learners' existing skills and developing new ones. This includes professional skills in literary studies such as critical thinking, researching, and presentation.

The programme helps the students get immersed in an exciting world of learning with faculty members who are experts in teaching courses in Linguistics, ELT, Media Studies, Indian Writing in English, Postcolonial Literatures, American Literature, European Classics, Ecocritical Studies, Popular Culture Studies, Translation Studies, Women's Writing, Life Writing, Comparative Literature and Literary Theory, etc. This will give students a solid grounding in periods and genres of English literature.

The second year of the programme is devised to support research, with coursework and training given in research methods and methodologies so that students who secure a CGPA of 6.5 or more after the first three semesters of study can opt for writing their dissertation in the IV semester on a topic of their choice, with the help of a supervisor.

Every year, students get ample opportunity to write and present research papers in national and international conferences, leading to publication of their work, and get involved in literary events, performances, colloquiums, and online and onsite talks by experts.

Graduates of the programme can pursue careers in a broad range of fields such as content writing, editing, publishing, advertising, journalism, television and media, public relations, librarian jobs, and teaching and research. They may also venture into entrepreneurship in writing and publishing or related fields.

They can also choose to pursue doctoral studies at SSSIHL to conduct research in their area(s) of interest to deepen their knowledge and progress to an academic career. The skills and knowledge base that the students build will be sought after across different sectors.

Eligibility

- 10+2 years of schooling from a recognized board and 3 years of university (total 15 years)
- Either passed or appeared for Final exams at Bachelor's degree level before the date of Admissions Test. If not appeared for Bachelor's degree final exams, aggregate marks in all the preceding Years/Semesters put together will be considered.
- Age: Preferably below 24 years as of 30th June in the year of admission

Courses Taught

YEAR 1

Semester 1

- British Literature I: 1340-1660
- British Literature II: 1660-1798
- Indian Writing in English
- Advanced English Grammar
- Awareness Course I: Education for Life

Semester 2

- British Literature III: 19th Century
- British Literature IV: 900 to the present
- Advanced Literary Criticism and Theory
- Advanced Linguistics
- Awareness Course II: God, Society, and Man

YEAR 2

Semester 3

- American Literature
- Eco-critical Studies
- **Elective 1**: Popular Culture Studies or Life Writing Studies
- **Elective 2**: Teaching of English as a Second Language or Writing for the Media
- Dissertation: Interim Review & Research Methodology
- Awareness Course III: Guidelines for Morality

Semester 4

- New Literatures
- Women's Writing
- **Elective 3**: Comparative Literature or Translation Studies
- **Elective 4**: Dissertation
- European Classics in Translation
- Awareness Course IV: Wisdom for Life

M.A. in Economics

For Men | 2024 entry

Programme Overview

The programme offers advanced training in economics to equip students with the required skills for a career as an economist with the potential to serve in positions of responsibility in government, the corporate sector, universities and research institutions.

The set of courses offered fall into core courses and electives. The core courses are intended to provide well-balanced training in economic theory, contemporary economic problems and quantitative methodology so as to build the essential tools for economic analysis of problems arising in a variety of contexts.

In Semesters 2-4, students will do a dissertation and also have an option to specialize in either **Applied Economics** or **Financial Economics**. They do this from a choice of electives from the respective streams.

The elective courses from the **Applied Economics** streams deal with the application of economic theory and econometrics to address practical issues in a range of fields like demography, labour, industry, agriculture, development, education and health economics.

The elective courses from the **Financial Economics** streams deal with the allocation and deployment of economic resources, both spatially and across time, in an uncertain environment.

In both streams, at the postgraduate level, the electives enable the students to acquire more advanced training in the branches of their choice. This will progressively develop students' ability to understand advanced theories and sharpen their analytical skills by building foundations in both theoretical concepts of economics and the applications and analysis side.

Eligibility

- 10+2 years of schooling from a recognized board and 3 years of university (total 15 years)
- Either passed or appeared for Final exams at Bachelor's degree level before the date of Admissions Test. If not appeared for Bachelor's degree final exams, aggregate marks in all the preceding Years/Semesters put together will be considered.
- Age: Preferably below 24 years as of 30th June in the year of admission

Courses Taught

YEAR 1

Semester 1

- Microeconomic Theory
- Macroeconomic Theory
- Quantitative Methods For Economics
- Agricultural and Industrial Economy of India
- Financial Markets and Institutions Computer Applications In Economic
- Analysis – I
- Awareness Course I: Education for Life

Semester 2

- Public Economics
- Ethics, Economy and Society
- Econometrics
- Elective Course – I
- Elective Course – II
- Computer Applications In Economic Analysis – II
- Awareness Course II: God, Society, and Man

YEAR 2

Semester 3

- Monetary Theory and Policy
- Time Series Modelling
- Economics of Growth and Development
- Elective Course – III
- Elective Course – IV
- Computer Applications In Economic Analysis – III
- Awareness Course III: Guidelines for Morality

Semester 4

- Indian Economy: Contemporary Issues and Policies
- History of Modern Economic Analysis
- Elective Course – V
- Elective Course – VI
- Dissertation
- Computer Applications In Economic Analysis – IV
- Awareness Course IV: Wisdom for Life

Electives

Students must choose their electives from any one of the two streams offered:

Applied Economics (Stream – AE)

- Agricultural Economics
- Applied Econometrics
- Behavioural Economics and Finance
- Demography
- Economic Institutions, Systems and Theories
- Economics of Education and Health
- Economics of Insurance
- Industrial Economics
- International Economics and Finance
- International Trade
- Labour Economics
- Public Policy

Financial Economics (Stream – FE)

- Behavioural Economics and Finance
- Data Analytics
- Economics of Insurance
- Emerging Market Economies
- Financial Econometrics
- Financial Economics
- Financial Services
- Forecasting Methods for Economics and Finance
- International Economics and Finance
- International Finance
- Rural Finance
- Underwriting and Actuarial Applications

M.Sc. in Mathematics

For Men | 2024 entry

Programme Overview

The M.Sc. in Mathematics programme at SSSIHL is designed to build on students' existing mathematical skills and allows them both broaden and deepen their understanding of the branches of mathematics which interest them most.

It offers students a comprehensive understanding of mathematics through fundamental courses in key areas such as Analysis, Algebra, Geometry, Differential Equations, Probability & Statistics, and Operations Research.

The programme includes software laboratory courses in the first two semesters to provide students with practical experience in programming languages.

In addition, the mini-project, term paper and dissertation components help students develop expertise and research skills in their specific areas of interest.

Specializations

The M.Sc. programme offers students the opportunity to customize their expertise with diverse specializations. They will take four mandatory electives (16 credits) in Year 2 (Semesters 1, 2 and 3) from any one of the following five Stream Cores:

- Computer Science
- Actuarial Science
- Industrial Mathematics and Scientific Computing
- Analysis and Applications
- Mathematical Biology

By choosing their preferred focus, they can tailor their academic journey to align with specific interests and career goals.

General Electives

In Year 2 (Semesters 3 and 4), a broad range of electives are offered to students (see the list of Courses). They can pick and choose from any of them.

Eligibility

- 10+2 years of schooling from a recognized board and 3 years of university (total 15 years)
- Either passed or appeared for Final exams at Bachelor's degree level before Admissions Test. If not appeared for Bachelor's degree final exams, aggregate marks in all the preceding Years/Semesters put together will be considered.
- Only candidates with a B.Sc. in Mathematics or other B.Sc. programmes (M/P/C or M/E/S or M/P/CS) with a major/specialization in Mathematics are eligible to apply
- Familiarity with the following is mandatory for admissions:

  Mathematics: Calculus, Differential Equations, Probability Theory, Real Analysis, Group Theory, Ring Theory, Linear Algebra, Complex Analysis, Discrete Mathematics, and Numerical Analysis

  Computer Science: C Language Programming
- Age: Preferably below 24 years as of 30th June in the year of admission

Courses Taught

YEAR 1

Semester 1

- Advanced Real Analysis
- Advanced Linear Algebra
- Commutative Algebra
- Stream Core – I
- Awareness Course I: Education for Life

Semester 2

- Functional Analysis
- Probability & Statistics
- Stream Core – II
- Stream Core – III
- Mini Project
- Awareness Course II: God, Society and Man

YEAR 2

Semester 3

- Differential Geometry
- Optimization Techniques
- Stream Core – IV
- Elective – I
- Seminar
- Awareness Course III: Guidelines for Morality

Semester 4

- Mathematical Modelling
- Elective – II
- Elective – III
- Elective – IV
- Dissertation
- Awareness Course IV: Wisdom for Life

Specialization (Stream Core) Electives:

It is mandatory for students to study all the four electives (Stream Cores I-IV) from any one of the Specialization areas below:

Computer Science

- Stream Core – I: Computer Organization and Design
- Stream Core – II: Computer Networks
- Stream Core – III: Design of Algorithms
- Stream Core – IV: Database Systems

Actuarial Science

- Stream Core – I: Actuarial Mathematics
- Stream Core – II: Applied Statistical Methods
- Stream Core – III: Actuarial Models
- Stream Core – IV: Financial Economics

Industrial Mathematics and Scientific Computing

- Stream Core – I: Techniques in Applied Mathematics
- Stream Core – II: Numerical solutions to PDEs
- Stream Core – III: Numerical Methods in Image Processing
- Stream Core – IV: Introduction to Statistical Learning

Analysis and Applications

- Stream Core – I: Techniques in Applied Mathematics
- Stream Core – II: Measure Theory
- Stream Core – III: Theory of Ordinary Differential Equations
- Stream Core – IV: Theory of Partial Differential Equations

Mathematical Biology

- Stream Core – I: Techniques in Applied Mathematics
- Stream Core – II: Mathematical Ecology
- Stream Core – III: Theory of Ordinary Differential Equations
- Stream Core – IV: Mathematical Epidemiology

General Electives

Students can choose any four electives from the lists below.

Algebra, Geometry & Number Theory

- Algebraic Topology, Algebraic Geometry, Symplectic Geometry, Foundations on Algebraic Number Theory, Analytic Number Theory, Riemannian Manifolds, Differentiable Manifolds, Mathematical Cryptography

Analysis and Applications

- Sobolev Spaces and Sobolev Functions, Distribution Theory, Advanced Complex Analysis, Functional Analytic Methods for Partial Differential Equations, Spectral Theory of Linear Operators, Harmonic Analysis, Complex Analysis,Topology

Applied Mathematics

- Calculus of Variations, Finite Element Methods, Wavelet Analysis, Integral Equations, Integral Transforms, Game Theory

Computer Science

- Artificial Intelligence, Computer Graphics, Formal Languages and Automata, Pattern Recognition, Cryptography, Neural Networks, Mathematical Methods for Data Mining, Operating Systems, Systems Programming, Quantum Algorithms, Web Programming

Actuarial Science

- General Insurance, Life and Health Contingencies, Actuarial Risk Management 1 – Foundation, Actuarial Risk Management 2 – Advanced, Enterprise Risk Management

Industrial Mathematics and Scientific Computing

- Computational Statistics, Convex Optimization, Mathematical Methods in Image Processing

Mathematical Biology

- Deterministic Optimal Control Theory, Stochastic Differential Equation, Dynamical Systems, Advanced Non-Linear Dynamical Systems

M.Sc. in Physics

For Men | 2024 entry

Programme Overview

The Masters Programme in Physics is designed to further strengthen students' fundamentals in Physics and enable them to study advanced topics in many areas.

Along with adequate exposure to advanced theory courses, students will spend considerable amounts of time on experimental skills through various practical courses and computational labs. They will acquire the skills and confidence necessary to design, set up and perform experiments.

Electives

In Year 2 (Semesters 3 and 4), students can choose five elective courses from a broad selection of topics in frontier research areas, like Photonics, Microelectronics, Materials Science, Biomaterials, Nuclear Spectroscopy, Industry 4.0, Quantum Computing and Quantum Optics.
A mini project and a major project work is designed to cater to the research potential of the students through which the students gain experience in handling state-of-the-art and sophisticated research-grade equipment.

The degree provides graduands a clear passage for entry into positions in research and development, academia, industry, and technology. It also provides a pathway for those interested in contributing to cutting-edge advancements in physics through further research at the doctoral level, including at SSSIHL.

Eligibility

- 10+2 years of schooling from a recognized board and 3 years of university (total 15 years)
- Either passed or appeared for Final exams at Bachelor's degree level before Admissions Test. If not appeared for Bachelor's degree final exams, aggregate marks in all the preceding Years/Semesters put together will be considered.
- Candidates with a B.Sc. (Hons.) with Physics as the main subject along with Mathematics and either Chemistry, Statistics, Electronics or Computer Science as additional subjects are eligible to apply
- Candidates with a B.Sc. without Honours: 3-subject combination with Physics, Mathematics and either Chemistry, Statistics, Electronics, or Computer Science are eligible to apply
- Age: Preferably below 24 years as of 30th June in the year of admission

Courses Taught

YEAR 1

Semester 1

- Classical Mechanics
- Classical Electrodynamics
- Quantum Mechanics – I
- Mathematical Physics
- Experimental Methods in Physics – I
- Electronics and Microcontroller Lab
- Self Development
- Awareness Course I: Education for Life

Semester 2

- Nuclear and Particle Physics
- Modern Optics
- Quantum Mechanics – II
- Statistical Mechanics
- Experimental Methods in Physics – II
- Software Lab
- Mini Project
- Awareness Course II: God, Society and Man

YEAR 2

Semester 3

- Advanced Spectroscopy
- Solid State Physics
- Elective – I
- Elective – II
- Advanced Physics Lab
- Project work
- Awareness Course III: Guidelines for Morality

Semester 4

- Elective – III
- Elective – IV
- Elective – V
- Project Work
- Awareness Course IV: Wisdom for Life

Electives

- Concepts in Magnetism and Superconductivity
- Semiconductor Device Physics
- Concepts in Materials Science
- Principles of Laser Physics
- Nuclear Spectroscopy
- Fiber Optics
- Functional Ceramics and Devices
- Nuclear Reactions
- Photovoltaics for Energy Conversion
- Ultrafast Nonlinear Optics
- Accelerators, Reactors & Detectors
- Biomaterials
- Molecular Simulations (Theory & Practical)
- Microelectronics
- Fundamentals of Nanoelectronics
- Nanoscale Physics
- Foundations of Quantum Optics
- Quantum Computing
- Industry 4.0 – IoT, Artificial Intelligence & Additive Manufacturing (Theory & Practical)

M.Sc. in Chemistry

For Men | 2024 entry

Programme Overview

The Masters Programme in Chemistry delves deeper into the various branches of chemistry, providing advanced knowledge, research skills, and specialized training. It lays emphasis on detailed understanding of the fundamental principles and hands-on training in appropriate computational and experimental methods.

The range and depth of the courses taught – in each semester – lay emphasis on both analytical thinking and the development of practical laboratory skills.

This rigorous training in all the major branches of chemistry – theoretical, applied, instrumental, computational and experimental – sets the stage for electives in interdisciplinary areas as well as for an introduction to the advanced emerging fields of research during the last two semesters of the programme.

The project work in the last two semesters is designed to cater to the research potential of the students wherein they are exposed to gain experience in handling sophisticated equipment (UV-vis, Fluorescence, IC, HPLC, FTIR, GC-MS/LC-MS QQQ and QToF, MP AES, SEM, TEM) and advanced concepts in Chemistry.

Seminars and colloquia require students to prepare presentations to the faculty members and doctoral research scholars of the department. This hones their communication skills and helps build confidence.

A student graduating with an M.Sc. degree in Chemistry at SSSIHL will have a multitude of career options, from being a researcher to a specialist scientist (in areas such as quality control, materials, environment and analytical techniques). They can also pursue jobs in consulting, government or teaching and education.

Eligibility

- 10+2 years of schooling from a recognized board and 3 years of university (total 15 years)
- Either passed or appeared for Final exams at Bachelor's degree level before Admissions Test. If not appeared for Bachelor's degree final exams, aggregate marks in all the preceding Years/Semesters put together will be considered
- Candidates with a B.Sc. (Hons.) in Chemistry as a main subject along with Mathematics and either Physics, Biology, Biotechnology, Statistics, Electronics or Computer Science as additional subjects are eligible to apply

  or

  Candidates with a B.Sc. without Honours: 3-subject combination with Chemistry, Mathematics and either Physics, Statistics, Biology, Biotechnology, Electronics or Computer Science are eligible to apply
- Age: Preferably below 24 years as of 30th June in the year of admission

Courses Taught

YEAR 1

Semester 1

- Quantum Chemistry and Group Theory
- Mathematics for Chemistry
- Analytical Chemistry
- Coordination Chemistry
- Advanced Aspects of Organic Structure and Stereochemistry
- Practical: Coordination Chemistry – Preparation and Analysis
- Practical: Analytical Chemistry
- Practical: Organic Qualitative Analysis – Mixture Separation and Analysis and Drug Analysis
- Awareness Course I: Education for Life

Semester 2

- Structural Inorganic and Bioinorganic Chemistry
- Chemical Kinetics and Surface Chemistry
- Statistical Thermodynamics and Electrochemistry
- Physical and Mechanistic Aspects of Organic Chemistry
- Practical: Inorganic Chemistry
- Practical: Physical Chemistry – Spectroscopy, Kinetics and Electrochemistry
- Practical: Organic Synthesis (multistep) and Spectral Analysis
- Awareness Course II: God, Society and Man

YEAR 2

Semester 3

- Organometallic Chemistry
- Polymer Chemistry and Applications of Group Theory in Chemistry
- Synthetic Organic Chemistry
- Theory and Application of Physical Methods in Chemistry
- Practical: Computational Applications in Chemistry – I
- Project work (Interim Review)
- Awareness Course III: Guidelines for Morality

Semester 4

- Solid State Chemistry and Nanomaterials
- Supramolecular Chemistry
- Elective – I
- Elective – II
- Elective – III
- Practical: Computational Applications in Chemistry – II
- Project Work
- Awareness Course IV: Wisdom for Life

Electives

All electives are inter-departmental. Students must choose one course from each of the three electives below:

Elective – I

- Medicinal Chemistry
- Quantum Chemistry of Chemical Bonding

Elective – II

- Environmental Chemistry
- Functional Materials
- Photophysics of Organic Molecules

Elective – III

- Biocatalysis for Industry and Environment
- Organic Chemistry of Natural Products
- Advanced Aspects of Polymer Chemistry

M.Sc. in Biosciences

For Women & Men | 2024 entry

Programme Overview

The M.Sc. in Biosciences programme is designed to provide an in-depth understanding of the major sub-disciplines of life sciences such as Molecular biology, Molecular cell biology, Biochemistry, Developmental biology, Immunology, Instrumentation for biological applications and Genetic Engineering.

Strengthening the foundations in these aspects sets the stage for elective courses offered in advanced topics in the domains of Biotechnology. Laboratories with state-of-the-art equipment provide students with hands-on training in Animal and Plant Cell Culture, Microbiology, Molecular biology, Biochemistry and Bioinformatics.

The ten practical courses (across all semesters) are designed to impart both basic and advanced skill sets that are covered in the theory courses of the programme. This ensures that the students have sufficient training to carry out research projects during dissertation.

The dissertation project spanning the final two semesters of the programme equips students with essential laboratory techniques and trains them to design and conduct in vitro and in silico studies in topics aligned to the thrust areas of the Department of Biosciences.

In addition, weekly colloquia and lab meetings require students to make presentations on their progress to the faculty members and doctoral research scholars of the department thereby honing their communication skills and building confidence.

Eligibility

- 10+2 years of schooling from a recognized board and 3 years of university (total 15 years)
- Either passed or appeared for Final exams at Bachelor's degree level before Admissions Test. If not appeared for Bachelor's degree final exams, aggregate marks in all the preceding Years/Semesters put together will be considered.
- Only candidates with a B.Sc. / B.Sc. (Hons.) in Biosciences, Life Sciences, Botany, Zoology, Biotechnology, Biochemistry, Microbiology or any field of biological sciences are eligible to apply
- Age: Preferably below 24 years as of 30th June in the year of admission

Courses Taught

YEAR 1

Semester 1

- Molecular Cell Biology
- Molecular Biology
- Instrumentation for Biological Applications
- Immunology
- Practical Course 1
- Practical Course 2
- Practical Course 3
- Practical Course 4
- Awareness Course I: Education for Life

Semester 2

- Molecular Developmental biology
- Genetic Engineering
- Biochemistry of Macromolecules
- Bioinformatics
- Practical Course 5
- Practical Course 6
- Practical Course 7
- Practical Course 8
- Awareness Course II: God, Society and Man

YEAR 2

Semester 3

- Intermediary Metabolism
- Plant Systematics and Conservation
- Elective I
- Elective II
- Practical Course 9
- Awareness Course III: Guidelines for Morality

Semester 4

- Molecular Evolution and Human Genetics
- Cytogenetics and Plant Breeding
- Elective III
- Elective IV
- Practical Course 10
- Awareness Course IV: Wisdom for Life

Electives

- Environmental Microbiology
- Environmental Biotechnology
- Microbial Biotechnology
- Nature's Pharmacy: Plants for Healthy Living
- Industrial Microbiology
- OMICS: Genomics, Transcriptomics, Proteomics and Metabolomics
- Neuroscience
- Stem Cell Biology
- Bio-pharmacology and Drug Designing

M.Sc. in Food and Nutritional Sciences

For Women | 2024 entry

Programme Overview

The M.Sc. in Food and Nutritional Sciences programme covers the major disciplines of Food Sciences and Nutritional Sciences that will professionally equip students to practice in the industry with high levels of skill in these areas. The comprehensive curriculum includes fundamental courses in Food and Nutrition, Biochemistry, Research Methodology and Food Microbiology.

Advanced and specialized courses in Food Sciences cover aspects of Food Product Development, Food Quality and Safety, Food Chemistry and Entrepreneurship. Specific courses in Nutritional Sciences focus on Dietetics, emerging area of Functional Foods, Molecular Nutrition, Ayurvedic Nutrition, Nutritional Counseling and Public Health Nutrition.

These courses along with project work in two areas of specialization (Applied Nutrition and Food Technology) are designed to help the students to pursue research and career in various Health Care Institutions, Food Industries, National & International organisations and NGOs with particular emphasis on community service.

Specializations

In Year 2 (Semesters 3 and 4), students will choose subjects (see the list of Courses) to pursue a specialization in either one of the following two major areas:

- **Applied Nutrition**
- **Food Technology**

Weekly department colloquium series are held for updating subject knowledge and upgrading technical competency.

Upon completion, graduates are equipped with the knowledge and skills to pursue diverse career paths in food and nutrition-related fields – roles in food product development, quality control, nutrition research, public health, clinical nutrition, regulatory affairs, and more. The programme also provides a foundation for those interested in pursuing doctoral studies or advanced research positions in the field.

Eligibility

- 10+2 years of schooling from a recognized board and 3 years of university (total 15 years)
- Either passed or appeared for Final exams at XII Standard before Admissions. If not appeared for XII Standard exams, X and XI Standard marks will be considered
- Only candidates with a B.Sc. in Home Science / Food and Nutritional Sciences / Food Technology / Nutrition and Dietetics and other similar degrees, or Biosciences, or Mathematics / Physics / Chemistry are eligible to apply
- Age: Preferably below 24 years as of 30th June in the year of admission

Courses Taught

YEAR 1

Semester 1

- Concepts in Food Science, Nutrition and Technology
- Bio-macromolecules and Intermediary Metabolism
- Research Methodology and Applied Statistics
- Food Microbiology and Safety
- Practical I: Food Microbiology and Safety
- Practical II: Food Analysis
- Practical III: Computer Applications in Research
- Awareness Course I: Education for Life

Semester 2

- Analytical Techniques
- Chemistry of Food Components
- Nutrition through Life Cycle
- Food Product Development and Evaluation
- Practical IV: Chemistry of Food Components
- Practical V: Nutrition through Life Cycle & Food Product Development and Evaluation
- Awareness Course II: God, Society and Man

YEAR 2

Semester 3

- Food Quality Control & Assurance
- Elective I
- Practical VIIII: Experimental Methods
- Project Work (review)
- Awareness Course III: Guidelines for Morality

Specialization Courses –
Applied Nutrition

- Advanced Human Nutrition
- Therapeutic Nutrition and Dietetics
- Practical VI: Advanced Human Nutrition
- Practical VII: Dietetics and Clinical Nutrition

Specialization Courses –
Food Technology

- Postharvest Technology of Fruits and Vegetables
- Advances in Food Processing and Packaging Technologies
- Practical VI: Postharvest Technology of Fruits and Vegetables
- Practical VII: Advances in Food Processing and Packaging Technologies

Semester 4

- Elective II
- Practical X: Special Research Techniques
- Project Work
- Comprehensive Viva Voce
- Awareness Course IV: Wisdom for Life

Specialization Courses –
Applied Nutrition

- Indian Traditional Foods and Ayurvedic Nutrition
- Public Nutrition and Epidemiology
- Practical IX: Public Nutrition and Epidemiology

Specialization Courses –
Food Technology

- Dairy Technology
- Food Grain and Oilseed Technology
- Practical IX: Dairy Technology and Food Gram and Oilseed Technology

Electives

For Electives I and II (Semesters 3 and 4), students must choose their electives from either one of the following streams (A or B):

A) **Applied Nutrition**

- Functional Foods and Molecular Nutrition
- Food Fortification and Fermentation
- Nutritional Counselling and Support Systems
- Pediatric And Geriatric Nutrition
- Health Promotion Through Nutrition Communication
- Sports Nutrition
- Advances In Women Nutrition

B) **Food Technology**

- Functional Foods and Molecular Nutrition
- Food Fortification and Fermentation
- Physical Properties of Foods
- Unit Operations in Food Processing
- Baking Technology
- Technology For Plantation Crops and Spices
- Entrepreneurship And Marketing

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