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.

BHAGAWAN SRI SATHYA SAI BABA
Revered Founder Chancellor
Welcome to Sri Sathya Sai Institute of Higher Learning (SSSIHL).

This handbook is for students interested in applying for undergraduate, postgraduate and professional study at SSSIHL. It is divided into three major colour-coded sections:

Undergraduate
Postgraduate
Professional

Each section includes four distinct areas: Programmes, Eligibility & Descriptions, Application Process and Written Test & Interview. This will make it easy for you to find information on every stage of the admissions process.

Detailed information about the university can be found on our website, sssihl.edu.in.

Good Luck and Sai Ram!

Admissions Office
Office of the Registrar, SSSIHL
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Introduction

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

The university hosts over 1300 undergraduate, postgraduate and professional programme students across four gender-specific campuses.

A Modern Gurukula

Sri Sathya Sai Institute of Higher Learning was founded to inculcate ethical and moral values in students. These ethics and morals form the undercurrent of every subject taught at the university. Here, the development of a student’s character is just as important as imparting knowledge.

This holistic development of students can only be possible in an environment that encourages the development of the student’s mind, body and spirit.

To facilitate this, the university has a compulsory residential policy for all students. The environment is similar to the ancient Indian gurukula system of education, in a modern context. Teachers and students live and grow together in an atmosphere of mutual trust and unity.

Residential Character

The compulsory residential system is an essential ingredient for the university’s Values-based Integral Education to achieve its objective of transformation. This is where the concept of the modern gurukula really comes to the fore. In fact, Bhagawan Baba Himself designed the entire system and its activities, right down to the daily routine of students!

Residential Teachers

Residential teachers voluntarily stay with students at the hostel. They choose this responsibility in addition to their academic and administrative workload. Like students, they also share rooms with typically two teachers in a room.

They perform three fundamental tasks:

- Ensure the all-round welfare of students
- Discharge specific duties for the upkeep of the hostel daily routine and general discipline
- Facilitate the smooth functioning of the hostel Self Reliance departments

RESIDENTIAL TEACHERS

1 in 4 teachers are residential

(Stay with the students in the hostel)
**Why SSSIHL?**

› Free education for all students
› Favourable teacher-student ratio (8:1)
› Excellent research facilities
› World-class facilities and resources offered despite a rural set-up
› Campuses set amidst peaceful surroundings
› Spiritual ambience in an environment of discipline and love
› Inculcates in students the spirit of self-reliance and service to society
› Integrates human values with secular knowledge
› Rated among the best universities in India by NAAC
Integral Education

Values-based Integral Education

In the words of Bhagawan Sri Sathya Sai Baba, Revered Founder Chancellor, SSSIHL:

*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.*

Bhagawan Baba has designed the system of Sri Sathya Sai Values-based Integral Education in such a manner that between the time an 18-year old student joins the university and when she or he graduates (at the age of 21 or 23) there is a deep inner transformation that takes place. This concept is very unique at the university level.

The Outcome

The outcome of the system of Values-based Integral Education at SSSIHL are threefold. It prepares all graduates to be:
- Spiritually aware
- Socially responsible and
- Professionally sound

Students’ time spent at SSSIHL

Bhagawan Baba purposefully designed the system of Integral Education so that while students spend 60% of their time on academics (intellectual capacities), they also spend 40% time on the development of other qualities.

These qualities include a spiritual awareness, cultural talents, physical capacities (sports and games) and fine tuning their higher sense of service to fellow human beings.

The Process

The diagram on the right forms the basis of the system of Values-based Integral Education at SSSIHL.

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 all the dimensions of integral education. These dimensions are: Intellectual, Physical, Cultural, Devotional and Service. The key activities for each of these dimensions form the basis of most of the time that students spend at SSSIHL.
There are separate programmes available for Women and Men applicants, as the university hosts separate campuses for women and men students. The university also offers Ph.D. programmes. These are integrated programmes, unavailable for direct admissions.

The following are the UNDERGRADUATE PROGRAMMES OPEN FOR ADMISSIONS:

Programmes for Women

UNDERGRADUATE Programmes (Duration: 3 years)

B.A.
› In the first two years, a student can choose to study any three subjects amongst: Economics, Political Science, Philosophy, History & Indian Culture, Optional English and Optional Telugu
› In the third year, students study one major subject (along with the other two basic subjects)

B.Com. (Hons.)

B.B.A.

B.Sc. in Food and Nutritional Sciences

B.Sc. (Hons.) in Mathematics / Physics / Chemistry
› In the first two years of study, all three subjects (Mathematics, Physics and Chemistry) are taught
› In the third year, the subject of specialization will determine the final degree awarded:
  B.Sc. (Hons.) in Mathematics,
  B.Sc. (Hons.) in Physics, or
  B.Sc. (Hons.) in Chemistry

B.Sc. (Hons.) in Biosciences* / Chemistry
› In the first two years of study, both subjects (Biosciences and Chemistry) are taught.
› In the third year, the subject of specialization will determine the final degree awarded:
  B.Sc. (Hons.) in Biosciences, or
  B.Sc. (Hons.) in Chemistry

*If awarded a B.Sc. in Biosciences, it can lead directly to an M.Sc. in Biosciences (subject to meeting the eligibility criteria)
Programmes for MEN

UNDERGRADUATE Programmes (Duration: 3 years)

**B.A.**
› In the first two years, a student can choose to study any three subjects amongst:
   Economics, Political Science and History & Indian Culture
› In the third year, students study one major subject (along with the other two basic subjects)

*Note:* Students who meet the eligibility criteria at the end of the first two years of study will have the option to pursue the Honours Programme in Economics and will be awarded a **B.A. (Hons.) in Economics** as a result.

**B.Com. (Hons.)**

**B.B.A.**

**Integrated MCA**
› **Five year Integrated Programme** leading to MCA degree

**B.Sc. (Hons.) in Mathematics* / Physics* / Chemistry***
› In the first two years of study, all three subjects (Mathematics, Physics and Chemistry) are taught
› In the third year, the subject of specialization will determine the final degree awarded:
   - B.Sc. (Hons.) in Mathematics
   - B.Sc. (Hons.) in Physics, or
   - B.Sc. (Hons.) in Chemistry

**B.Sc. (Hons.) in Biosciences* / Chemistry***
› In the first two years of study, both subjects (Biosciences and Chemistry) are taught
› In the third year, the subject of specialization will determine the final degree awarded:
   - B.Sc. (Hons.) in Biosciences, or
   - B.Sc. (Hons.) in Chemistry

**B.Sc. (Hons.) in Mathematics* / Economics* / Statistics***
› In the first two years of study, all three subjects (Mathematics, Economics and Statistics) are taught
› In the third year, the subject of specialization (Mathematics or Economics only) will determine the final degree awarded:
   - B.Sc. (Hons.) in Mathematics, or
   - B.Sc. (Hons.) in Economics

*Can lead directly to a Postgraduate programme in their respective subjects (subject to meeting the eligibility criteria)
This section will highlight the information for each individual undergraduate programme. This includes: the length of the programme, whether it is applicable for women candidates or men or both, the eligibility criteria and a programme description, which includes the courses of study for each year (and semesters).

The minimum requirements for admissions vary from programme to programme. Candidates who do not meet all the admissions criteria listed for the programme they want to apply to will not be eligible for admissions and their applications will not be processed by the Admissions Office and a letter of rejection will be sent out to them.

Candidates belonging to Scheduled Castes/Scheduled Tribes are entitled to a relaxation of 5% marks for ALL programmes.

NOTICE TO ALL APPLICANTS: Given the unique Gurukula system of Values-based Integral Education at the university, where students need to be compulsorily resident at the hostel during the entire period of study, only single (bachelor / maiden) students will be admitted. Engaged or married candidates need not apply.

THE FOLLOWING COURSES ARE COMMON TO ALL UNDERGRADUATE PROGRAMMES:

1. LANGUAGES
For the first four semesters of all Programmes, each student must study English as a first language and one of Sanskrit, Hindi, Telugu or Additional English* as a second language.
*Additional English can be opted in exceptional cases, where the student does not have an adequate background in Hindi or Telugu or Sanskrit.

2. AWARENESS COURSES
A series of courses entitled ‘Awareness’ are taught for all six semesters of study.

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1: Philosophy of Education (Based on Bhagawan Baba’s Life and Teachings)</td>
<td>Semester 3: Eternal Values for the changing world</td>
<td>Semester 5: Study of Classics: Ramakatha Rasavahini-Ramayana as narrated by Bhagawan Sri Sathya Sai Baba</td>
</tr>
<tr>
<td>Semester 2: Unity of Religions</td>
<td>Semester 4: Study of Classics: Bhagavat Vahini- Bhagavatam as narrated by Bhagawan Sri Sathya Sai Baba</td>
<td>Semester 6: Life and its Quest</td>
</tr>
</tbody>
</table>

3. ENVIRONMENT COURSES
A course in Environmental Studies and Human Values is also taught for the first two semesters.
**B.A.**

<table>
<thead>
<tr>
<th>Duration: 3 Years</th>
<th>For Women &amp; Men Candidates</th>
</tr>
</thead>
</table>

**Eligibility Requirements**

- 10+2 years of schooling from a recognized board (CBSE or equivalent)
- Either passed or appeared for Final exams at XII level before Admissions Test
- XII Standard: 55% or more (English) and 60% (Aggregate including English)
- Age: preferably below 19 years as of 31st May in the year of admission

**Programme Description**

- In the first two years, a student can choose to study any three subjects among:
  - **Women Students**: Economics, Political Science, Philosophy, History & Indian Culture, Optional English and Optional Telugu
  - **Men Students**: Economics, Political Science and History & Indian Culture
- In the third year, students study one major subject (along with the other two basic subjects)

**B.A. (Hons) in Economics** (Men Students only): Men Students who meet the eligibility criteria at the end of the first two years of study will have the option to pursue the Honours Programme in Economics. They must study two additional courses of Economics in place of the basic subjects of the three-subject combination in Year 3 (Semesters 5 and 6).

**Courses taught per Semester**

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 1</strong></td>
<td><strong>Semester 3</strong></td>
<td><strong>Semester 5</strong></td>
</tr>
<tr>
<td>Political Science: Elements of Political Science</td>
<td>Political Science: Modern Governments- I</td>
<td>Political Science: Principles of Public Administration and a major course to be chosen from Indian Political Thought and Western Political Thought</td>
</tr>
<tr>
<td>Philosophy: Introduction to Indian Philosophy</td>
<td>Philosophy: Twentieth Century Philosophers- Indian and Western</td>
<td>Philosophy: The Philosophy of Upanishads and major course entitled Ethics-Normative and Applied.</td>
</tr>
<tr>
<td>History &amp; Indian Culture: Ancient India-I</td>
<td>History &amp; Indian Culture: Modern India - (1760 - 1950 A.D.)</td>
<td>History &amp; Indian Culture: Ancient Greek and Roman Civilizations; Tourism and Travel Management and a major chosen from a set of four electives</td>
</tr>
<tr>
<td>Optional English: Prose</td>
<td>Optional English: Drama</td>
<td>Optional English: Study of Literary Forms- Short Story and one-act play and a major course entitled History of English Language</td>
</tr>
<tr>
<td>Optional Telugu: Poetry, Prosody and Grammar</td>
<td>Optional Telugu: Poetry and Grammar</td>
<td>Optional Telugu: History of Literature-I and the major course of Sanskrit- Poetry, Grammar and Translation</td>
</tr>
<tr>
<td><strong>Semester 2</strong></td>
<td><strong>Semester 4</strong></td>
<td><strong>Semester 6</strong></td>
</tr>
<tr>
<td>Political Science: Elements of Government</td>
<td>Political Science: Modern Governments- II</td>
<td>Political Science: Public Personnel Administration and a major course entitled International Politics</td>
</tr>
<tr>
<td>Philosophy: Introduction to Western Philosophy</td>
<td>Philosophy: Western Logic (Formal and Symbolic)</td>
<td>Philosophy: General Psychology and a major course entitled Study of Classics-Eastern and Western</td>
</tr>
<tr>
<td>History &amp; Indian Culture: Medieval India</td>
<td>History &amp; Indian Culture: Ancient Societies of Egypt, Mesopotamia and China</td>
<td>History &amp; Indian Culture: Modern World (1750-1945); Principles and Methods of Archeology and a major chosen from a set of four electives</td>
</tr>
<tr>
<td>Optional English: Poetry</td>
<td>Optional English: Novel</td>
<td>Optional English: History of English Literature and a major course entitled Literary Criticism</td>
</tr>
<tr>
<td>Optional Telugu: Novel</td>
<td>Optional Telugu: Folk Literature and Alankaras</td>
<td>Optional Telugu: Telugu Journalism and a major course of Sanskrit- Poetry, Grammar and Translation</td>
</tr>
</tbody>
</table>


**Economics (Hons.) - Semester 6**: Public Finance and Fiscal Policy, Intermediate Macroeconomic Theory and a practical course entitled Introduction to Computer Application-II, Development Economics and Basic Econometrics

**B.Com. (Hons.)**

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<tr>
<th>Duration: 3 Years</th>
<th>For Women &amp; Men Candidates</th>
</tr>
</thead>
</table>

**Eligibility Requirements**

- 10+2 years of schooling from a recognized board (CBSE or equivalent)
- Either passed or appeared for Final exams at XII level before Admissions Test
- XII Standard: 55% or more (English) and 60% (Aggregate including English)
- Age: preferably below 19 years as of 31st May in the year of admission
Programme Description

The B.Com. (Hons.) Programme will impart basic knowledge and skills in all the important subjects in the field of commerce. It will equip students thoroughly in the field of accounting, finance and taxation. The programme will help students prepare for advanced studies in finance and management and also professional courses in accounting, costing, financial analysis, insurance and corporate secretarialship. Significant amount of time will also be spent on fostering ethical and moral attitudes to help students become better professionals in the financial services sector and in conducting business and serving industry after graduation.

Courses taught per Semester

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 1</strong>&lt;br&gt;Business Communication, Financial Accounting-I, Business Economics and Introduction to Quantitative Techniques</td>
<td><strong>Semester 3</strong>&lt;br&gt;Company Law, Corporate Accounting, International Business and Quantitative Techniques-II</td>
<td><strong>Semester 5</strong>&lt;br&gt;Elements of Income Tax, Banking Theory and Practice, Financial Management, two (of four electives) courses and a practical course in Spreadsheet Applications</td>
</tr>
<tr>
<td><strong>Semester 2</strong>&lt;br&gt;Principles of Management, Financial Accounting-II, Economic Environment of Business and Quantitative Techniques-I</td>
<td><strong>Semester 4</strong>&lt;br&gt;Business Statistics, Accounting for Financial Services, Elements of Costing and a practical course in Computer Theory and Accounting Package</td>
<td><strong>Semester 6</strong>&lt;br&gt;Principles of Marketing, Commercial Law, Auditing, two courses from a list of four electives, a practical course in Presentation and Database applications (Optional) and a comprehensive Viva voce.</td>
</tr>
</tbody>
</table>

Bachelor of Business Administration (B.B.A.)

Duration: 3 Years  For Women & Men Candidates

Eligibility Requirements

- 10+2 years of schooling from a recognized board (CBSE or equivalent)
- Either passed or appeared for Final exams at XII level before Admissions Test
- XII Standard: 55% or more (English) and 60% (Aggregate including English)
  (If not appeared for XII Standard exams, X and XI Standard marks will be considered)
- Age: preferably below 19 years as of 31st May in the year of admission

Programme Description

A comprehensive introduction to Business Administration at the Undergraduate level, the B.B.A. programme will equip the student with a thorough understanding of the theory and practice of Business Management via twenty core courses, taught over three years. What makes this programme unique from others is the focus on Values-based Management, Rural Development and Corporate Initiatives, Sales Management, National Perspectives and Entrepreneurial Development and Schemes – all of which are seamlessly integrated with the undercurrent of ethics and values.

Courses taught per Semester

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 1</strong>&lt;br&gt;Values Oriented Management, Financial Accounting for Management, Business Communications and a practical course in Computer Theory and MS Office-Word</td>
<td><strong>Semester 3</strong>&lt;br&gt;Human Resources Management, Financial Management, Office Management and Information Systems and a practical course in Computers (Office Management and Information Systems)</td>
<td><strong>Semester 5</strong>&lt;br&gt;Taxation, Rural Development and Corporate Initiatives, Banking Theory and Practice, Management of Operations, two elective courses from the streams of Marketing, Finance and Human Resources Management without necessarily confining to any single group, a practical course in e-Commerce and a Viva voce</td>
</tr>
<tr>
<td><strong>Semester 2</strong>&lt;br&gt;Organizational Behaviour, Analytical Techniques for Management, Business Economics and a practical course in Computers (Accounting Package, MS Office)</td>
<td><strong>Semester 4</strong>&lt;br&gt;Selected Commercial Laws, Costing for Management, Principles of Marketing and a practical course in MS Office-Access</td>
<td><strong>Semester 6</strong>&lt;br&gt;National Perspectives, Management Accounting, Sales Management, Entrepreneurial Development and Schemes, two elective courses from the streams of Marketing, Finance and Human Resources Management without necessarily confining to any single group and a practical course in ERP and CRM</td>
</tr>
</tbody>
</table>

Integrated M.C.A. Programme

Duration: 5 Years  For Men Candidates only

Eligibility Requirements

- 10+2 years of schooling from a recognized board (CBSE or equivalent)
Either passed or appeared for Final exams at XII level before Admissions Test
- XII Standard: 55% or more (English) and 60% (Aggregate including English)
  (If not appeared for XII Standard exams, X and XI Standard marks will be considered)
- In XI / XII Standard, Mathematics (inc. Algebra, Geometry, Calculus and basic Statistics) must be studied
- Age: preferably below 19 years as of 31st May in the year of admission

Programme Description
The programme covers a wide spectrum of computer courses, including Computer Architecture, Algorithms, Operating Systems, Computer Network, Database Systems, Internet Programming, Linux environment and .NET. In the final year, students have a choice of eight electives. In order to supplement theoretical learning, related lab courses are conducted each semester. This enhances the application of the core principles of the course. Lastly, courses from mathematics and business will promote logical thinking and expose students to the nuances of the current world business environment.

Courses taught per Semester

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 1</strong></td>
<td><strong>Semester 2</strong></td>
<td><strong>Semester 3</strong></td>
</tr>
<tr>
<td><strong>Semester 2</strong></td>
<td><strong>Semester 4</strong></td>
<td><strong>Semester 5</strong></td>
</tr>
</tbody>
</table>

B.Sc. in Food and Nutritional Sciences
Duration: 3 Years
For Women Candidates only

Eligibility Requirements
- 10+2 years of schooling from a recognized board (CBSE or equivalent)
- Either passed or appeared for Final exams at XII level before Admissions Test
- XII Standard: 55% or more (English) and 60% (Aggregate including English)
  (If not appeared for XII Standard exams, X and XI Standard marks will be considered)
- Only candidates with subject combinations in XII Standard of Mathematics/Physics/Chemistry or Botanay/Zoology/Chemistry are eligible to apply.
- Age: preferably below 19 years as of 31st May in the year of admission

Courses taught per Semester

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 1</strong></td>
<td><strong>Semester 3</strong></td>
<td><strong>Semester 5</strong></td>
</tr>
</tbody>
</table>
### B.Sc. (Hons.) in Mathematics / Physics / Chemistry

#### Eligibility Requirements
- 10+2 years of schooling from a recognized board (CBSE or equivalent)
- Either passed or appeared for Final exams at XII level before Admissions Test
- XII Standard: 55% or more (English) and 60% (Aggregate including English) (If not appeared for XII Standard exams, X and XI Standard marks will be considered)
- Age: preferably below 19 years as of 31st May in the year of admission

#### Courses taught per Semester
- In the first two years of study, all three subjects (Mathematics, Physics and Chemistry) are taught.
- In the third year, the subject (students will take courses in only that subject) of specialization will determine the final degree awarded: B.Sc. (Hons.) in Mathematics, B.Sc. (Hons.) in Physics, or B.Sc. (Hons.) in Chemistry

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
<th>Semester 5</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 1</strong>&lt;br&gt;Mathematics: Multivariate Calculus and Linear Programming&lt;br&gt;Physics: Electronics I: Analog and Digital and Practical Course in Electronics I&lt;br&gt;Chemistry: Theoretical Chemistry and Analytical Chemistry and Laboratory course in Qualitative Inorganic Analysis</td>
<td><strong>Semester 2</strong>&lt;br&gt;Mathematics: Real Analysis I and Boundary Value Problems&lt;br&gt;Physics: Classical Mechanics and Practical course in Classical Mechanics&lt;br&gt;Chemistry: Inorganic, Organic and Physical Chemistry-II and Laboratory Course in Inorganic, Organic and Physical Chemistry-II</td>
<td><strong>Semester 3</strong>&lt;br&gt;Mathematics: Ordinary Differential Equations and Vector Analysis&lt;br&gt;Physics: Optics and Practical course in Optics Chemistry: Inorganic, Organic and Physical Chemistry-I and Laboratory Course in Inorganic, Organic and Physical Chemistry-I</td>
<td>Mathematics: Discrete Mathematics, Algebraic Structures, Partial Differential Equations, two electives chosen from the streams of Pure Mathematics, Applied Mathematics and Computer Science and a software Lab&lt;br&gt;Physics: Two courses of Mathematical Physics(Mathematical Physics-I and Mathematical Physics-II), Quantum Mechanics, Electronics comprising Operational Amplifiers, Computational Techniques in Physics and three practical courses out of which one will be general, one in Operational Amplifiers and one in software&lt;br&gt;CHEMISTRY: Analytical Chemistry and Nuclear Chemistry, Physical Chemistry, Dynamic Aspects of Organic Chemistry; one of the elective chosen from Chemistry of Biological Molecules, Theoretical Aspects of Spectroscopy and Microbial Physiology and Genetics; Practical courses in Computer applications in Chemistry, Physical Chemistry and in any of the elective chosen</td>
</tr>
<tr>
<td><strong>Semester 4</strong>&lt;br&gt;Mathematics: Real Analysis II and Linear Algebra&lt;br&gt;Physics: Electromagnetism and Practical course in Electromagnetism&lt;br&gt;Chemistry: Inorganic, Organic and Physical Chemistry--III and Laboratory Course in Inorganic, Organic and Physical Chemistry--III</td>
<td><strong>Semester 5</strong>&lt;br&gt;Mathematics: Complex Analysis, Numerical Analysis, Topology; Two electives chosen from the streams of Pure Mathematics, Applied Mathematics and Computer Science and Software Lab&lt;br&gt;Physics: Solid State Physics, Nuclear Physics, Thermal Physics and Statistical Physics, Elements of Atomic and Molecular Spectroscopy and Lasers, Microprocessors; practical course in Microprocessors and software Lab and a Project work&lt;br&gt;CHEMISTRY: Spectroscopy, Advanced Inorganic Chemistry, one elective chosen from Synthetic Inorganic Chemistry or Pharmaceutical Chemistry and second elective chosen from Industrial Chemistry and Environmental Chemistry or Medicinal Chemistry; Practical courses in Computer Applications in Chemistry, Inorganic Chemistry and the electives chosen</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### B.Sc. (Hons.) in Biosciences / Chemistry

#### Eligibility Requirements
- 10+2 years of schooling from a recognized board (CBSE or equivalent)
- Either passed or appeared for Final exams at XII level before Admissions Test
- XII Standard: 55% or more (English) and 60% (Aggregate including English)
Courses taught per Semester

- In the first two years of study, both subjects (Biosciences and Chemistry) are taught.
- In the third year, the subject (students will take courses in only that subject) of specialization will determine the final degree awarded: B.Sc. (Hons.) in Biosciences or B.Sc. (Hons.) in Chemistry.

### Elgibility Requirements

- 10+2 years of schooling from a recognized board (CBSE or equivalent)
- Either passed or appeared for Final exams at XII level before Admissions Test
- XII Standard: 55% or more (English) and 60% (Aggregate including English)
- Age: preferably below 19 years as of 31st May in the year of admission

### Courses taught per Semester

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
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<tbody>
<tr>
<td><strong>Semester 1</strong></td>
<td><strong>Semester 3</strong></td>
<td><strong>Semester 5</strong></td>
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</tbody>
</table>
| **Biosciences**: Algae and Fungi, Invertebrata  
**Chemistry**: Theoretical Chemistry and Analytical Chemistry (Theory), Laboratory course in Qualitative Inorganic Analysis (Practicals) | **Biosciences**: Taxonomy and Economic Importance of Angiosperms, Embryology of Animals  
**Chemistry**: Inorganic, Organic and Physical Chemistry-II | **Biosciences**: Plant Physiology, Animal Physiology, Cell Biology, Anatomy and Embryology of seed Plants and one course to be chosen from Microbial Physiology and Genetics and an Inter-Departmental Elective- Chemistry of Biological Molecules  
**Chemistry**: Analytical Chemistry and Nuclear Chemistry, Physical Chemistry, Laboratory course in Computer Applications in Chemistry (Practical only), Dynamic aspects of Organic Chemistry and one course chosen from three electives one of which will be an Inter-Departmental Elective. |
| **Semester 2** | **Semester 4**  | **Semester 6** |
| **Biosciences**: Bryophytes and Pteridophytes, Chordata  
**Chemistry**: Inorganic, Organic and Physical Chemistry-I | **Biosciences**: Biostatistics and Information Technology, Bacteriology and Virology  
**Chemistry**: Inorganic, Organic and Physical Chemistry–III | **Biosciences**: Genetics and Evolution, Environmental Biology, Introductory Molecular Biology, Biological Chemistry, Biotechnology  
**Chemistry**: Spectroscopy (Theory only), Advanced Inorganic Chemistry, one course each to be chosen from two sets of two electives and a Laboratory course in Computer Applications in Chemistry (Practical only), Environmental Chemistry or Medicinal Chemistry; Practical courses in Computer Applications in Chemistry, Inorganic Chemistry and the electives chosen |

### B.Sc. (Hons.) in Mathematics/ Economics/ Statistics

- **Duration**: 3 Years
- **For Men Candidates only**

### Courses taught per Semester

- In the first two years of study, all three subjects (Mathematics, Economics and Statistics) are taught.
- In the third year, the subject (students will take courses in only that subject) of specialization (Mathematics or Economics only) will determine the final degree awarded: B.Sc. (Hons.) in Mathematics, or B.Sc. (Hons.) in Economics.
FILL IN AN APPLICATION FORM

There are two ways to fill in an application form:

1. **ONLINE** – visit: sssihl.edu.in
2. **PAPER** – Get a paper application form:
   - By Hand – pick up a paper application form
   - By Post – get a paper application form posted to you

**ONLINE APPLICATION**

The **fastest, simplest and most secure way to apply** to SSSIHL is to visit the home page of the university’s website, sssihl.edu.in, click on the link for online application, and you will be guided step-by-step on how to fill in the form.

**Note:** It is mandatory that you have an email ID. If you do not have one yet, we suggest you create an online account with a popular service provider such as Google, Yahoo, Hotmail, etc. They are all free of charge.

Once completed, you will be able to view the filled-in application form in PDF format and save it on your computer. You must have Adobe Acrobat Reader installed on your computer to view the PDF.

**Important:** If you apply for more than one programme, you must fill in a separate form for each programme.

**PAPER APPLICATION (BY HAND)**

If you choose to pick up the application form yourself (or have a friend pick it up on your behalf), kindly visit the Admissions Office located in the Administrative Building at SSSIHL, Prasanthi Nilayam.

The cost of the form is ₹100 and the amount can be paid in cash at the time of your visit.

**PAPER APPLICATION (BY POST)**

If you prefer to get the application form by post, please write to:

**The Admissions Office**
Administrative Building
Sri Sathya Sai Institute of Higher Learning
Prasanthi Nilayam – 515 134
Dist. Anantapur
Andhra Pradesh

**Note:** If you apply for more than one programme, you need to send separate written requests along with the below-mentioned DD/IPO.

You must send the following along with the written request for each application:

1. **Indian Postal Order (IPO) or Demand Draft (DD) for Rs.100/-**. The Bank draft should be drawn in favour of Sri Sathya Sai Institute of Higher Learning, payable at SBI, Prasanthi Nilayam/Puttaparthi.

2. Your name and complete postal address along with programmes for which application form is required should be clearly stated in BLOCK letters on the reverse of the IPO/DD and also in the requisition letter.

3. **Indication of which Undergraduate programme you would like to apply to.** Incorrect forms will be rejected.

4. **Complete postal address for correspondence** - Please indicate your complete address, clearly mentioned in your written request, so that we can post you the form and Admissions Handbook.

**DOCUMENTS CHECKLIST**

Once you have filled in the paper application form in full – complete with signatures, self-attested photograph, etc. you will have to make sure that you collect all the supporting...
documents that are requested with the form before posting the application to SSSIHL.

Online applicants will be able to view their form in full in PDF format after they go through the online application portal and will be able to print the same.

THE COMPLETE LIST OF SUPPORTING MATERIALS TO INCLUDE IS:

1. **One additional passport-sized photograph**
   This is in addition to the one you have attested and stuck on the application form. On the reverse side of the photograph, please clearly write the following: Your name and applicant ID (online applications) or application number (paper applications).

2. **Statement of Marks**
   For Undergraduate Programme applicants:
   Self-attested photocopies of the Statement of Marks for X Std. issued by your Higher Secondary School Board
   Self-attested photocopies of the Statement of Marks for XI Std. issued by your Higher Secondary School.

   **Note:** If you are successful and get admission, your final self-attested mark sheets for XII Std. will need to be submitted within a month after joining the institute.

3. **Co-curricular Achievements**
   This is optional. If you have certificates that highlight your involvement in co-curricular (non-academic) activities, please include attested copies of these with your application for consideration.

**SUBMIT APPLICATION FORM WITH REQUIRED DOCUMENTS**

Once you are satisfied that you have completed all the necessary requirements for the application form and the supporting materials, you will now be in a position to post your application to the Admissions office of the university.

Please follow these **four steps** to ensure your application will be processed and not rejected:

1. **Staple** the filled application form with all supporting materials. Then, seal them in an A4-sized envelope. This is important so you do not fold the form and certificates attached.

   **Note:** ONLINE APPLICANTS ONLY - If you have chosen to pay online, kindly print and attach a copy of the electronic receipt. Otherwise, kindly send an Indian Postal Order (IPO) or Demand Draft (DD) for ₹100/- per application. The Bank draft should be drawn in favour of Sri Sathya Sai Institute of Higher Learning, payable at SBI, Prasanthi Nilayam/Puttaparthi.

   **IMPORTANT:** All Online applicants must send the printed copies of their completed application forms along with their marksheets and payment to the Admissions Office by post or in person.

2. Write the **Applicant ID** (online applications) or **Application Number** (paper applications) and the course for which you have applied on the envelope that you are posting.

3. **Post** the completed application so that it reaches the university BEFORE the **application deadline: 10 March 2016**. On average, allow one week for applications posted within South India and two weeks for the rest of India. Late Applications reaching after this date will be rejected.

4. **It is compulsory** that all applications are posted either by Registered Post or via a courier service to the address provided below. Should you opt for a courier service, it is advisable that you check with them if they have an office or delivery service at Puttaparthi, Andhra Pradesh. Two examples include: DTDC or Professional Couriers, both of whom have offices at Puttaparthi.

   **The postal address to use is:**

   **The Admissions Office**
   Administrative Building
   Sri Sathya Sai Institute of Higher Learning
   Prasanthi Nilayam – 515 134
   Dist. Anantapur
   Andhra Pradesh

   **Tip:** Application forms can also be submitted in person at the admissions office at the Administrative Building of SSSIHL, Puttaparthi.

**AWAIT CONFIRMATION ON ELIGIBILITY FOR WRITTEN TEST**

Once the Admissions Office receives your application, it will be duly processed to make sure that you meet all the preliminary eligibility criteria and that all the supporting materials (including your application form) are accurate.

List of applicants whose forms have been accepted will be put on the website sssihl.edu.in on a weekly basis.

If you meet all these criteria, the university will write to you on the mailing address that you indicated in your application form. You will receive an Admissions Entrance Test card (Hall ticket). This will allow you to sit for the Admissions Entrance Test.

If you do not meet the criteria, you will also hear in writing from the university, stating that your application has been rejected.

The list of candidates called for the admissions test will be put on the university’s website by **31st March 2016**.

**Important:** Those candidates who have been called for admissions test but have not received the hall ticket, can collect the same, one day prior to their scheduled admissions test from the test centre.
If your application is successful—which means you have met the minimum eligibility criteria and submitted all the information to SSSIHL exactly as required—the Admissions Office will post you an Admissions Entrance Test Card. Once you receive this, you are required to travel to Prasanthi Nilayam, Puttaparthi (in Andhra Pradesh) to take your admissions test. If you clear the written test, you will have to attend an interview/group discussion. The interview is usually conducted on the very next day following the test.

What about the ADMISSIONS TESTS SCHEDULE?
Admissions Tests and interviews for 2016 entry will be held between 17-30 April 2016. You must arrive at least the day before your test. Refer to the Admissions Test schedule below for exact dates.

ADMISSIONS TEST AND INTERVIEW SCHEDULE FOR WOMEN

Undergraduate Programmes
B.A. | B.Com. (Hons.) | B.B.A. | B.Sc. in Food and Nutritional Sciences | B.Sc. (Hons.) in Mathematics / Physics / Chemistry | B.Sc. (Hons.) in Biosciences / Chemistry

| All Programmes, except B.B.A. | Written Tests | Sun 17 April | 9:00 A.M. – 12:15 noon |
| B.B.A. | Written Tests | Sun 17 April | 2:00 P.M. – 4:20 P.M. |
| All Programmes | Interviews | Mon 18 April, Tue 19 April and Wed 20 April |

ADMISSIONS TEST AND INTERVIEW SCHEDULE FOR MEN

Undergraduate Programmes
B.A. | B.Com. (Hons.) | Integrated MCA | B.Sc. (Hons.) in Mathematics / Physics / Chemistry | B.Sc. (Hons.) in Biosciences / Chemistry | B.Sc. (Hons.) in Mathematics / Economics / Statistics

| All Programmes, except B.B.A. and Integrated M.C.A. | Written Tests | Thu 21 April | 9:00 A.M. – 12:15 P.M. |
| Integrated M.C.A. | Written Tests | Fri 22 April | 9:00 A.M. – 12:15 P.M. |
| B.B.A. | Written Tests | Fri 22 April | 2:00 P.M. – 4:20 P.M. |
| All Programmes | Interviews | Fri 22 April, Sat 23 April and Sun 24 April |
WHAT DO I DO ON THE MORNING OF THE ADMISSIONS TEST?

All admissions tests will be held at the Prasanthi Nilayam Campus of the university. The building is located 200 meters from the Ganesh Gate of the ashram. (Take a right once you exit the ashram and walk past the bus stand, the police station and the shops. The college building will be on your left). It is a five minutes walk.

You are required to report to the premises 45 minutes prior to your scheduled test time. For example, if your test begins at 9 a.m., reach the college building at 8:15 a.m.

When you reach the main entrance of the building, various instructions and announcements pertaining to the tests, interviews etc. will be displayed on the notice board at the entrance of the college building.

Do I need to bring anything with me to the Entrance Test?

All candidates need to bring:
1. Two HB pencils
2. An eraser and sharpener for the admissions test.
3. A pen (preferably blue ink).

Electronic Calculators are strictly NOT allowed.

QUESTION PAPER PATTERN

1. For B.A./B.Sc./B.Sc. (Hons.)/B.Com. (Hons.): Each candidate is required to answer a paper in General English and 3 Subject papers in the combination chosen. The General English Question paper contains 40 Multiple choice questions and one Essay Question. The 3 Subject Papers (viz., M/P/C, B/Z/C, A/C/E etc.,) consist of 40 Multiple Choice questions each.

2. For BBA Candidates: Each candidate is required to answer tests to ascertain Verbal Skills, Numerical Skills & Reasoning Skills. Each Test contains 40 multiple choice questions, total number of questions being 120, in addition to a short essay test in Verbal Skills.

3. For Integrated MCA candidates: Each candidate is required to answer tests to ascertain Verbal Skills, Mathematical Skills and Logical Reasoning & Quantitative Aptitude. The test on verbal skills contains 40 Multiple choice questions and an essay. The test on Mathematical Skills and Logical Reasoning & Quantitative Aptitude has 60 questions each.

MULTIPLE-CHOICE BASED EVALUATION

The admissions tests are largely objective multiple-choice questions that are evaluated by an Optical Mark Recognition (OMR) system. The OMR system is foolproof and 100% accuracy is guaranteed during evaluation. Negative marks are awarded for every incorrect answer. This is usually 25% of the total marks allocated for that particular question.
WHAT ABOUT THE INTERVIEW?

Only candidates who pass the written test will be invited for an interview. Candidates are shortlisted for an interview on the basis of their performance in General English and the total aggregate of other tests, both of which have a minimum cut-off point.

The interview process evaluates the suitability of the candidates keeping in view the unique requirements of the fully residential, values-based system of education at SSSIH. The interview is usually conducted on the very next day following the written test.

Admission Test results are published on the same day of the test (late evening/night) or early morning of the following day.

They will be posted on notice boards at the following two places:
1. Opposite the Accommodation Office in the ashram
2. Prasanthi Nilayam Campus

The above notice will also contain details regarding the date and the time of Interviews.

If you are selected for the interview stage, you will be required to spend more time at Prasanthi Nilayam.

HOW DO I REACH PRASANTHI NILAYAM?

Prasanthi Nilayam is the name of the ashram established by Bhagawan Sri Sathya Sai Baba. It is also the name of the main campus of Sri Sathya Sai Institute of Higher Learning. It is located in Puttaparthi, in the district of Anantapur, Andhra Pradesh.

By train:
Prasanthi Nilayam has a railway station by the name Sri Sathya Sai Prasanthi Nilayam (station code: SSPN). The campus and ashram are located at about 10 km from the railway station. Several trains come directly to Sri Sathya Sai Prasanthi Nilayam. Auto rickshaws will charge around Rs. 80 for a one-way fare to the main entrance of the ashram. Alternatively, you can reach Puttaparthi by taking a train to the Dharmavaram Junction (station code: DMM). Dharmavaram is about 40 km from Puttaparthi and is on the Guntakal-Bangalore section of the South-Central Railway.

Those alighting at Dharmavaram Railway Station may board direct buses from the railway station to Prasanthi Nilayam. If direct buses are not available from the station, you can take an auto rickshaw to the Dharmavaram Bus Stand, from where buses to Puttaparthi are available for a nominal charge. Private taxis and vans may also be available in the vicinity of the Dharmavaram Bus Stand.

A computerized Railway Reservation facility is available at the Puttaparthi bus stand for those who wish to book return tickets.

By bus:
Puttaparthi may be reached directly by bus from Chennai, Bangalore, Hyderabad, and major towns of Andhra Pradesh. Buses alight at the Puttaparthi Bus Stand which is conveniently located directly opposite to the entrance gate of the ashram.

By car:
Puttaparthi is located off National Highway (NH) 7, which connects Bangalore to Hyderabad. Look out for signs to Puttaparthi or visit Google Maps for point-to-point directions.

By flight:
The nearest airport to Puttaparthi is Bangalore International airport. Once you exit the terminal building, you can negotiate a taxi to take you to Puttaparthi. On average, expect to pay ₹1800 to ₹2000 for a one-way taxi fare. It takes less than three hours to reach Puttaparthi from Bangalore airport.

When should I arrive?
We strongly recommend that you arrive in Prasanthi Nilayam the day prior to the Written Test.

To ensure that you get accommodation in the ashram, we strongly suggest that you arrange your travel plans so that you arrive at the ashram accommodation office before 8 p.m. (latest) on the day of your arrival.

How can I get accommodation?
The entrance of the ashram (Ganesh Gate) is located opposite the bus stand. Following a brief security check (of your luggage), you may proceed directly to the accommodation office. For any help or directions, just ask a sevadal (women or men volunteers with yellow or blue scarves) to assist you.

Accommodation
All candidates (and their accompanying parents/wards) visiting Prasanthi Nilayam for entrance tests will be provided accommodation at nominal prices inside the ashram. However, it is mandatory that you have your Admission Test Entrance card at hand and produce it to the Accommodation Officer on arrival.

The accommodation office is located inside the ashram opposite the South Indian canteen and is open from 6:15 a.m. to 8 p.m. everyday. You cannot get accommodation in the ashram outside of these hours. Entry to the Ashram – via car or by foot (Ganesh Gate) is between 4 a.m. and 9:30 p.m., everyday.
TEST SYLLABUS

UNDERGRADUATE PROGRAMMES

Candidates can refer to the various syllabi, depending on the subject combination they have chosen for the Entrance Test, as indicated in their application forms.

There will be negative marking for all multiple choice questions.

ADMISSIONS TEST SYLLABUS

The admission test syllabus is based on XI/XII std of CBSE. The question paper will be of Multiple Choice type. There will be proportionate negative marking.

GENERAL ENGLISH – Compulsory for all Undergraduate Programmes

› Comprehension of Unseen Passage: Prose and Poetry.
› Vocabulary: Antonyms, Synonyms, One-word Substitutes, Pairs of Words Often Confused
› Grammar: Tenses, Prepositions, Phrasal Verbs, Voice(s), ’too – enough,’ ’since’ and ’for’
› Structure: Reported Speech, Spellings, Punctuation, Correction of Sentences
› Composition: Re-ordering or re-arranging of sentences to form a coherent whole, guided composition, paragraph writing, letter writing.

MATHEMATICS

› Algebra and Trigonometry: Sets, Relations and functions; Complex Numbers; Matrices and Determinants; Quadratic Equations; Permutations and Combinations; Mathematical Induction and its applications; Binomial theorem and its applications; Sequences and Series; Trigonometry.
› Calculus: Differential Calculus; Integral Calculus; Differential Equations.
› Two Dimensional Geometry
› Statistics: Measures of Central tendency and Dispersion; Probability.

PHYSICS

› Mechanics: Units and Measurement; Description of Motion in one dimension; Description of Motion in two and three dimensions; Laws of Motion; Work, Energy and power; Rotational Motion and Moment of Inertia; Gravitation; Solids and Fluids, Elasticity, Surface tension
› Oscillations, Waves, Heat & Thermodynamics and Optics: Oscillations; Waves, Sound; Heat & Thermodynamics; Transference of Heat; Ray Optics; Wave Optics; Electromagnetic Waves.
› Electricity and Magnetism: Electrostatics; Current Electricity; Thermal and Chemical effects of Currents; Magnetic effects of Currents; Magnetostatics; Electromagnetic Induction and Alternating Currents.
› Modern Physics: Electrons and Photons; Atoms, Molecules and Nuclei; Solids and Semi-Conductor Devices.

CHEMISTRY


BOTANY

› Plant Kingdom: Five kingdom classification major groups and their salient features. Bacteria, Fungi, Bryophytes, Pteridophytes, Gymnosperm.
› Morphology: Structural organization of stem, leaf and root and their modifications (Stem-climber, Rhizome, tuber, bulb, corm; leaf - foliage, scale and bract; root - tap and adventitious roots) in dicot and monocot plants.
› Anatomy: Tissues - Parenchyma, collenchymas, sclerenchyma, xylem, phloem. Anatomy of root, stem and leaf of monocot and dicot plants.
› Embryology: Structure and function of flower, Inflorescence, (Racemose, cymose and special types) Androecium (Anther structure, microsporangium, microsporogenesis and male gametophyte), Gynoecium (Ovule - structure, mega sporangium, megasporogenesis, female gametophyte), Pollination, (Self and cross pollination), Anemophily, Entomophilies, Hydrophyll, Zoophily, Fertilization, Fruits (Simple, aggregate and multiple fruits).
› Physiology: Water absorption, Ascent of sap, Transpiration (Exchange of gases, stomatal mechanism), Respiration (Glycolysis, Krebs cycle, electron transport system), Photosynthesis (Light reaction, Dark reaction (Calvin cycle), factors affecting photosynthesis - light, temperature and Carbon dioxide), Growth (Plant hormones and growth regulation) and movements (Turgor and growth movements), Mineral nutrition (essential and non-essential elements) in plants.
› Applied Botany: Plant breeding - mutation, hybridization, polyploidy. Use of fertilizers and pesticides (advantages and hazards).
› Cell Biology: Cell theory, Prokaryotic, Eukaryotic cell, Cell wall, cell membrane and cell organelles, Plastids, mitochondria, endoplasmic reticulum, golgi bodies, ribosome, lysosome, nucleus and chromosomes, Mitosis, Meiosis.
› Ecology: Organism and population, Ecological adaptation, Ecosystem: Components, types, energy flow, nutrient cycling.

ZOOLOGY

› Diversity of living organisms: Classification of animals, salient features of non-chordata up to phyla level, chordate to class level.
› Anatomy, histology and physiology (Earthworm, cockroach, Frog and Human): Integumentary system, digestive system, respiratory system, circulatory system, excretory system,
Muscular system, nervous system, endocrine system and reproductive system, connective tissue, epithelial tissue, small intestine, Histology of stomach, bone, blood, lymph, liver, pancreas, lung, spleen, kidney, skin, testis and ovary.

Developmental Biology: Basic features of vertebrate development, Gametogenesis, fertilisation, cleavage, blastulation.

Genetics: Mendel’s laws of inheritance, Chromosome theory of inheritance, incomplete dominance, co-dominance, deviations from Mendelian ratios, multiple alleles, sex determination, linkage or crossing over, Mendelian disorder, chromosomal disorders, DNA and RNA replication, transcription genetic code, gene expression, regulation and human genome project, DNA fingerprint.


Business Organization and Principles of Management:

- Economic activities and business
- Formation of business units
- Corporate Organization – Types
- Stock exchange
- Transport and storage/warehousing
- Banking and financial institutions
- Evolution and growth of management
- Organization of modern business office
- Nature and purpose of business
- Structural aspects of business
- Business and sources of finance
- Trade: Internal and external
- Elements of insurance/types
- Nature and significance of management
- Planning, organizing, staffing, directing and controlling

Accountancy (Including Quantitative Aptitude)

- Basic Accounting theory
- Recording of transactions: Subsidiary books - Journal - Ledger
- Trial balance, rectification of errors
- Financial statements, trading and profit and loss account (with adjustments) and balance sheet
- Final accounts for non-trading concerns
- Bills of exchange
- Partnership accounting: Admission, retirement, death and dissolution
- Company accounts: Issue of shares, forfeiture, re-issue, issue and redemption of debentures, final accounts - classification of assets and liabilities of presenting balance sheet
- Depreciation Accounting: Straight line and Diminishing value methods; Provision for Depreciation
- Single entry: Statement of affairs and determination of profit.

- Basic arithmetical operations - Basic properties of numbers - HCF & LCM - Fractions - Decimals - Percentages - Ratio & proportions
- Power & groups - Simple Interest & Compound Interest - Mensuration - Problem solving in Algebra - Elementary Geometry
- Statistical tables & averages.

Statistics

- Statistical data: Definition and scope of the Statistics - collection and organisation of data, frequency distributions - diagrams and graphical representation of data.
- Measures of Location: Arithmetic mean - Median, Quartiles, Deciles and Percentiles - Mode - Weighted Arithmetic mean, Geometric mean and Harmonic mean - Simple problems.
- Correlation: Concept of bivariate distributions - Scatter diagram, Karl Pearson’s co-efficient of correlation - Spearman’s rank correlation (without ties) - Simple Problems.
- Data interpretation: Interpretation of quantitative variables from tables and from diagrams.
- Index Numbers: Meaning- types- Wholesale Price Index- Consumer Price Index- Inflation and Index Numbers- Uses of Index Numbers.

Economics

- Production: Supply- Law of variable proportions - Cost and Revenue concepts- Economies of scale (large scale and small scale production)- Returns to Scale.
- Distribution: Factor Pricing-derived demand- The concepts of Rent, Wages, Interest and Profit.
- Macro economics: Aggregate demand – Aggregate supply-Effective demand- Equilibrium level of income - Propensity to consume- Propensity to save and invest - MEC – MEI- Multiplier-Accelerator (only concepts).

Civics

- Civics - Meaning and scope; Aims and value of its study; its relationship with History, Political Science, Economics and Ethics.
- Individual and his relationship with family and society, Society - meaning and advantages of social life; Role of various Associations, eg., Religious, Political, Economic and Cultural.
- Citizenship - meaning and importance: Single and dual citizenship - advantages and disadvantages; Rights and Duties of Citizens; Hindrances to good citizenship.
› Nation - meaning and importance: Nationality, meaning and elements, India as a Nation.
› State and its essential elements; Population; Territory; Government and Sovereignty. Definition of the term sovereignty - nature, characteristics and coercive nature of the State.
› Individual and the Modern State (Basic concepts):
   (a) Law - meaning, characteristics, sources - law and morality, (b) Liberty - meaning and kinds; Law and Liberty, (c) Equality - meaning and kinds; Relation between liberty and equality, (d) Fraternity - meaning - need for co-operation and co-existence of individuals for common good.
› Liberty - meaning and kinds; Law and Liberty.
› Forms of Government; Unitary and Federal, Parliamentary and Presidential - characteristics - merits and demerits. (Provide stress on the functions of the Legislature, Executive and Judiciary.)
› Spheres of State activity: Individualism, socialism, communism, capitalism and dictatorship.
› Democracy: meaning - kinds - features - merits and demerits of direct and indirect democracy, conditions necessary the success of democracy; role of parties and public opinion in democracy.
› Constitution of India: Brief study of the features as given below:
   (a) Preamble, (b) Fundamental rights, (c) Directive principles of State Policy, (d) Federal System, (e) Parliamentary features.
› Govt. of India:
   (a) Parliament, (b) Cabinet, (c) All India Services, (d) State Legislatures and Cabinet, (e) Centre-State relations - Administrative, Legislative and Financial.
› Structure and working of Local Governments (Brief Study)
   (a) Corporations and Municipalities, (b) Panchayat Raj, (c) Zilla Parishads and Mandal Parishads, (d) The role of District Collectors.
› Adult Franchise: Meaning and working. Advantages and disadvantages, Development of Weak sections.
› National Integration and its need:
   (a) Communals, (b) Casteism, (c) Linguism, (d) Regionalism.
› United Nations - Its aims and principal organs. Its role in promoting international peace and understanding.

POLITICAL SCIENCE

› Political Science - meaning, nature and scope
› Citizen - State and Society; Citizenship - Rights and duties of citizens (a brief study of the fundamental rights and fundamental duties of Indian citizens).
› State and Government: Nature and definition of State; Elements of state; State and Society; State and Associations.
› Nation and Nationality: Meaning of the terms Nation and Nationality, Elements of Nationality; Nationalism - meaning, importance, merits and demerits.
› Sovereignty - meaning, characteristics and kinds of sovereignty, legal, political and popular sovereignty.
› Law, Liberty and equality: Meaning of the terms Law and Liberty, Law and morality. Liberty and Law, Sources of Law, Kinds of Law; Definition of the term Liberty, Kinds of liberty; Equality - Definition of the term, kinds - liberty and equality.
› Forms of Government: Unitary and Federal - meaning, merits and demerits, Parliamentary and Presidential - explanation - merits and demerits of both systems.
› Spheres of State activity: Individualism, Socialism, Communism, Capitalism and Dictatorship, Gandhism and Sarvodaya.
› Constitution: Classification - Written and Unwritten; Rigid and Flexible - meaning - merits and demerits.
› Legislature: Organization, powers and functions of the legislature; A brief study of the organization, functions and working of Indian Parliament.
› Executive in India: President - election, powers and functions; Vice-President, Prime Minister and the Council of Ministers; Governor - appointment - powers and functions, Chief Minister and the Council of Ministers.
› Judiciary: Role and importance, Independence of Judiciary, Supreme Court and the High Courts in India.
› Civil Services: Nature - importance and functions of Civil Services; Bureaucracy, U.P.S.C., Organization and functions.
› Electorate: Types of franchise, Merits and Demerits, Direct Democratic Devices.
› Party system: Political parties, their role and functions, Role of opposition in democracy.
› Public Opinion: Meaning - Agencies of public opinion, role and importance of Public Opinion.
› Local Self Government: Panchayat Raj, Municipal Govt., planning - importance - socio economic development - rural and urban development; development of scheduled castes and tribes.
› Factors conditioning Indian Democracy: Inequality - social and economic; Regional imbalance, communalism and casteism, Regionalism and Linguism.
› Internationalism: Meaning and importance - United Nations - Aims - Objectives, Organs and functions.

HISTORY

› Introduction: Pre-history - The Stone Age:
› (a) The Harappan Culture (b) The Vedic Period (c) Jainism and Buddhism
› (a) The rise of the Magadha
› (b) Age of the Mauryas: i) Chandragupta ii) Ashoka iii) Mauryan Administration
› The Deccan:
› (a) The Satavahanas - Gautampiputra Satakarni, (b) The Chalukya of Badami - Pulikesi II (c) The Rashtrakutas - Dhruba; Nripatunga
› (d) The Pallavas – Narasimhavarman, (e) The Cholas - Chola Administration
› Harshavardhana and his time - Medieval India
› 6. (a) Arabs in India - Muhammed-bin-Qasim (b) Invasion of Mahmud Ghazni and Mahmud Ghori (c) The Rajputs – Prithviraj
› 7. The Age of Vijayanagara Empire - Krishnadevaraya - The battle of Talikota
› 8. India under the Mughals:
   a) Sher Shah – Administration, b) Age of Akbar, c) Aurangzeb and the decline of the Mughal Empire d) Mughal contribution to: (i) Art and Architecture (ii) Literature
› 9. Rise of the Marathas - Shivaji - The Peshwas
   (a) Baji Rao (b) Balaaji Baji Rao
› 10. Advent of Europeans in India – Portuguese, Dutch, Danes, English and French.
Civil Disobedience Movement – Quit India Movement – Indian Independence.

**SPECIAL ENGLISH**

- Comprehension: Literary Prose and Poetry
- Vocabulary: Affixes, One-Word Substitutes, Sentence completion
- Grammar: Parts of Speech, Gender, Phrases / Clauses, Reported Speech
- Usage: Idioms, Proverbs, Figures of Speech, Correction of Sentences
- Guided Composition: Reordering Jumbled Sentences into a Narrative

**B.B.A.**

**General English:**
- Comprehension of Unseen Passage: Prose and Poetry.
- Vocabulary: Antonyms, Synonyms, One-word Substitutes, Pairs of Words Often Confused
- Usage: Idioms
- Grammar: Tenses, Prepositions, Phrasal Verbs, Voice(s), 'too – enough', 'since' and 'for'
- Structure: Reported Speech, Spellings, Punctuation, Correction of Sentences
- Composition: Re-ordering or re-arranging of sentences to form a coherent whole, guided composition, paragraph writing, letter writing.

**Numerical skills and Reasoning skills:**
- Basic arithmetical operations
- Basic properties of numbers
- Fractions
- Decimals
- Percentages
- Ratio & proportions
- Power & groups
- Simple Interest & Compound Interest
- Mensuration - Problem solving in Algebra
- Elementary Geometry
- Statistical tables & averages and logical reasoning.

**INTEGRATED M.C.A.**

**General English:**
- Comprehension of Unseen Passage: Prose and Poetry.
- Vocabulary: Antonyms, Synonyms, One-word Substitutes, Pairs of Words Often Confused
- Usage: Idioms
- Grammar: Tenses, Prepositions, Phrasal Verbs, Voice(s), 'too – enough', 'since' and 'for'
- Structure: Reported Speech, Spellings, Punctuation, Correction of Sentences
- Composition: Re-ordering or re-arranging of sentences to form a coherent whole, guided composition, paragraph writing, letter writing.

**Mathematics:**
**Part A: Algebra, Vectors, Linear Programming**
- Real Numbers, Complex Numbers
- Polynomials, Linear Equations in one and two variables, Quadratic Equations in one variable, Permutations and Combinations, Binomial Theorem, Arithmetic Progression, Geometric Progression, Standard Progressions and Series
- Types of Vectors, Vector addition, Scalar multiplication, Scalar and Vector products of 2, 3 and 4 vectors
- Linear Inequalities, Linear Programming – Graphical Method

**Part B: Mensuration, Geometry, Analytical Geometry**
- Areas, Surface Areas and Volumes of standard plane and solid regions
- Euclid’s Axioms and Postulates, Lines, Angles, Triangles, Congruent Triangles, Quadrilaterals, Area, Circles, Similar Triangles
- Cartesian coordinate system for a plane, Distance formula, Section formula, Area of Triangle, Equations of a straight line, Equations of a plane, Conic Sections
- Cartesian coordinate system for space, Direction Cosines, Direction Ratios, Lines and Planes in Space

**Part C: Trigonometry, Calculus and Differential Equations**
- Trigonometric Ratios, Identities, Trigonometric Functions of sum and difference of Angles, Trigonometric Equations
- Sets, Relations, Functions, Simple problems on Limits, Continuity, Derivatives of First and Higher Order, Rules of Differentiation, Bernoulli Rule, Partial Derivatives of First order
- Indefinite Integral, Definite Integral, Rules of Integration, Applications of Integrals
- Ordinary Differential Equations, General and Particular Solutions, First Order Differential Equations – Classification and Solution, Second Order Homogeneous Differential Equations

**Part D: Statistics and Probability**
- Introduction to Statistics, Data Collection & presentation, Mean, Median, & Mode, Cumulative Frequency Distribution, Measures of Dispersion, Range, Mean Deviation, Standard Deviation
WAIT FOR RESULTS / FINAL DECISION

After all the admissions tests and interviews are completed in April, final decisions about admissions will be made and posted on the university website (sssihl.edu.in) on the day following the completion of tests and interviews for that particular programme. By 1 May 2016, all results will be posted on the website.

Additionally, provisional list of selected candidates will also be put up at the Ashram (opposite the Accommodation office).

In addition, a selection letter will be sent to all selected candidates. Along with the letter, related information will also be included.

JOIN THE UNIVERSITY!

Congratulations! If you made it to this stage, you have got a place to study at Sri Sathya Sai Institute of Higher Learning. We look forward to welcoming you at one of our campuses.

The Academic Year 2016/17 commences on 1 June 2016.

LIST OF DOCUMENTATION TO BE SUBMITTED UPON ADMISSION

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

UNDERGRADUATE PROGRAMMES
› Original Marks Certificate of X/XII Standard. If your XII Std. results are not yet published, you should submit the original marks certificate of X Standard).
› Transfer Certificate
› Conduct Certificate

HOW DO I CONTACT THE ADMISSIONS OFFICE IF I NEED FURTHER HELP?

The Admissions pages of the website (http://sssihl.edu.in/sssuniversity/Admissions.aspx) are designed to make sure that candidates have all the information that they require to successfully apply to SSSIHL.

You may refer to the Application Guide to get all the information you need for getting and filling an application form completely, supporting documentation and materials, and related information about test dates, schedules and how to find out about the progress of your application. We even have a dedicated Related Downloads page to further assist you.

The Application Guide will give you the answers to most, if not all, queries that you may have for admissions.

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

By Email:
› For admissions related queries, please email: admissions@sssihl.edu.in
› For online applications related queries, please email: onlineadmissions@sssihl.edu.in

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

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

+91 9441 911 391

The above numbers are for admissions related queries only between 9 a.m. and 5 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!
1 Programmes
2 Eligibility & Descriptions
3 Application Process
4 Written Test & Interview
There are separate programmes available for **WOMEN** and **MEN** applicants, as the university hosts separate campuses for women and men students. The university also offers **Ph.D.** programmes. These are integrated programmes, unavailable for direct admissions.

The following are the **POSTGRADUATE PROGRAMMES OPEN FOR ADMISSIONS**:

### Programmes for **WOMEN**

**POSTGRADUATE Programmes (Duration: 2 years)**

<table>
<thead>
<tr>
<th>Programme</th>
</tr>
</thead>
<tbody>
<tr>
<td>M.A. in English Language and Literature</td>
</tr>
<tr>
<td>M.Sc. in Biosciences</td>
</tr>
<tr>
<td>M.Sc. in Food and Nutritional Sciences</td>
</tr>
<tr>
<td>› With an option to specialize in either Applied Nutrition or Food Technology</td>
</tr>
</tbody>
</table>

### Programmes for **MEN**

**POSTGRADUATE Programmes (Duration: 2 years)**

<table>
<thead>
<tr>
<th>Programme</th>
</tr>
</thead>
<tbody>
<tr>
<td>M.A. in Economics</td>
</tr>
<tr>
<td>› With an option to specialize in Financial Economics</td>
</tr>
<tr>
<td>M.Sc. in Mathematics</td>
</tr>
<tr>
<td>› With an option to specialize in either Pure Mathematics, Applied Mathematics or Computer Science</td>
</tr>
<tr>
<td>M.Sc. in Physics</td>
</tr>
<tr>
<td>› With an option to specialize in either Photonics, Nuclear Physics or Electronics</td>
</tr>
<tr>
<td>M.Sc. in Materials Science</td>
</tr>
<tr>
<td>M.Sc. in Chemistry</td>
</tr>
<tr>
<td>M.Sc. in Biosciences</td>
</tr>
</tbody>
</table>
This section will highlight the information for each individual postgraduate programme. This includes: the length of the programme, whether it is applicable for women candidates or men or both, the eligibility criteria and a programme description, which includes the courses of study for each year (and semesters).

**The minimum requirements for admissions vary from programme to programme.** Candidates who do not meet all the admissions criteria listed for the programme they want to apply to will not be eligible for admissions and their applications will not be processed by the Admissions Office and a letter of rejection will be sent out to them.

Candidates belonging to Scheduled Castes/Scheduled Tribes are entitled to a relaxation of 5% marks for ALL programmes.

**NOTICE TO ALL APPLICANTS:** Given the unique Gurukula system of Values-based Integral Education at the university, where students need to be compulsorily resident at the hostel during the entire period of study, only single (bachelor / maiden) students will be admitted. Engaged or married candidates need not apply.

**THE FOLLOWING COURSE IS COMMON TO ALL POSTGRADUATE PROGRAMMES:**

1. **AWARENESS COURSES**
A series of courses entitled 'Awareness' are taught for all four semesters of study.

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 1</strong>&lt;br&gt;Education for Life- Individual Transformation</td>
<td><strong>Semester 3</strong>&lt;br&gt;Guidelines for Life</td>
</tr>
<tr>
<td><strong>Semester 2</strong>&lt;br&gt;God, Society and Man</td>
<td><strong>Semester 4</strong>&lt;br&gt;My Life is My Message- Bhagawan Sri Sathya Sai Baba</td>
</tr>
</tbody>
</table>

**M.A. in English Language and Literature**
Duration: 2 Years  For Women Candidates only

**Eligibility Requirements**
- 10+2 years of schooling and 3 years of university (total 15 years) as recognized by SSSIHL
- Either passed or appeared for Final exams at Bachelor’s degree level before the date of Admissions Test
- Bachelor’s degree: 50% or more (English) and 60% (Aggregate incl. English) or CGPA aggregate of 6 or more (10-point scale) and 5 or more (10-point scale) in English.
- Age: preferably below 23 years as of 31st May in the year of admission
Programme Description
The M.A. in English Language and Literature is designed to inspire students to appreciate first-hand, the varieties and shades of language and style and various kinds and trends of imaginative writing in Modern English Literature (1500 to the present day). Over the course of the programme, students will learn how to train their critical taste and judgment in such a way that they are able to respond sympathetically and imaginatively to diverse literary trends and movements. Concurrently, their ability to arrive at an impersonal and dispassionate evaluation of a given work of art and/or a given writer will be honed. They will gain the skills necessary to be aware of problems, limitations and strengths implicit in the appreciation of English language and literature, and learn how to write effectively and cogently while expressing themselves either in critical or in creative writing.

Courses taught per Semester

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 1</strong></td>
<td><strong>Semester 3</strong></td>
</tr>
<tr>
<td>English Literature: Chaucer</td>
<td>American Literature, Literary Criticism, Structure of Modern English – I (Elements of Linguistics and Phonetics), Structure of Modern English – II (Grammar)</td>
</tr>
<tr>
<td>and 1550-1660, Shakespeare,</td>
<td></td>
</tr>
<tr>
<td>English Literature: 1660-1789</td>
<td></td>
</tr>
<tr>
<td>English Literature: 1789-1830</td>
<td></td>
</tr>
<tr>
<td><strong>Semester 2</strong></td>
<td><strong>Semester 4</strong></td>
</tr>
<tr>
<td>English Literature: 1830 – 1900, English Literature: 20th Century, Indian Writing in English, Commonwealth Literature</td>
<td>English for the Media, two courses (chosen from two sets of electives) and a Dissertation / Open Course in World Drama</td>
</tr>
</tbody>
</table>

M.A. in Economics
Duration: 2 Years For Men Candidates only

Eligibility Requirements
✓ 10+2 years of schooling and 3 years of university (total 15 years) as recognized by SSSIHL.
✓ Either passed or appeared for Final exams at Bachelor’s degree level before Admissions Test.
✓ Bachelor’s degree: 50% or more (English) and 60% (Aggregate incl. English) or CGPA aggregate of 6 or more (10-point scale) and 5 or more (10-point scale) in English. (If not appeared for Bachelor’s degree final exams, aggregate marks in all the preceding Years/Semesters put together marks will be considered)
✓ Only candidates with a B.A./B.A. (Hons.) in Economics, B.Sc. (Hons.) in Economics or Mathematics, B.B.A. or B.Com./B.Com. (Hons.) are eligible to apply.
✓ Age: preferably below 23 years as of 31st May in the year of admission.

Programme Description
The M.A. Programme is designed to equip students with potential to serve in positions of responsibility with the 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. The elective courses from the economics stream deal with 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 financial economics deal with the allocation and deployment of economic resources, both spatially and across time, in an uncertain environment. In both streams, the electives enable the students to acquire more advanced training in branches of their choice.

Courses taught per Semester
✓ Students have an option to specialize in Financial Economics

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 1</strong></td>
<td><strong>Semester 3</strong></td>
</tr>
<tr>
<td>Microeconomic Theory, Macroeconomic Theory, Quantitative Methods for Economics, Public Economics, Financial Markets and Institutions and a practical course on Computer Applications In Economic Analysis-I</td>
<td>Monetary Theory and Policy, Time Series Modelling, Industrial Economics, two courses chosen from a list of electives taken from the streams of Economics and Financial Economics, a practical course entitled Computer Applications in Economic Analysis- III and a Dissertation review</td>
</tr>
</tbody>
</table>
Semester 2
Agricultural Economics, Ethics, Economics and Society, Econometrics, two elective courses chosen from a list of electives of Economics and Financial Economics and a practical course entitled Computer Applications in Economic Analysis- II

Semester 4
Indian Economy: Contemporary Issues and Policies, Energy and Resource Economics, two courses chosen from a list of electives taken from the streams of Economics and Financial Economics, a practical course entitled Computer Applications in Economic Analysis- IV and a Dissertation

M.Sc. in Mathematics
Duration: 2 Years For Men Candidates only

Eligibility Requirements

✓ 10+2 years of schooling and 3 years of university (total 15 years) as recognized by SSSIHL
✓ Either passed or appeared for Final exams at Bachelor’s degree level before Admissions Test
✓ Bachelor’s degree: 50% or more (English) and 60% (Aggregate incl. English) or CGPA aggregate of 6 or more (10-point scale) and 5 or more (10-point scale) in English. (If not appeared for Bachelor’s degree final exams, aggregate marks in all the preceding Years/Semesters put together marks 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 23 years as of 31st May in the year of admission

Programme Description
The M.Sc. Mathematics Programme provides a broad-based knowledge of mathematics to students through core courses that cover the areas of Analysis, Algebra, Geometry, Differential Equations, Mechanics, Statistics, Operations Research etc. The syllabus also provides one software laboratory course in each of the four semesters, which will enable hands-on experience with various programming languages, software packages and in working different platforms. To develop a deep understanding in the fundamentals of one area, students can specialize in Pure Mathematics, Applied Mathematics or Computer Science.

Courses taught per Semester

› Students have an option to specialize in either Pure Mathematics, Applied Mathematics or Computer Science*
  *subject to passing a test on Computer Science and Programming skills after admission to the Programme

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 1</strong></td>
<td><strong>Semester 3</strong></td>
</tr>
<tr>
<td>Advanced Real Analysis, Advanced Algebra, Differential Geometry, two courses chosen from a list of electives taken from the streams of Pure Mathematics, Applied Mathematics and Computer Science and a practical course in software Lab.</td>
<td>Theory of Partial Differential Equations, Theory of Probability, Numerical Linear Algebra, two courses chosen from a list of electives taken from the streams of Pure Mathematics, Applied Mathematics and Computer Science, a practical course in software Lab, a seminar and a Dissertation Interim Review in lieu of one elective course or software Lab</td>
</tr>
<tr>
<td><strong>Semester 2</strong></td>
<td><strong>Semester 4</strong></td>
</tr>
<tr>
<td>Measure Theory, Functional Analysis, Theory of Ordinary Differential Equations, two courses chosen from a list of electives taken from the streams of Pure Mathematics, Applied Mathematics and Computer Science, a practical course in software Lab and year-end Viva voce</td>
<td>Mathematical Modeling, Optimization Techniques, Theory of Statistics, two courses chosen from a list of electives taken from the streams of Pure Mathematics, Applied Mathematics and Computer Science, a practical course in software Lab, Comprehensive Viva voce and a Dissertation Work in lieu of one elective course or software Lab</td>
</tr>
</tbody>
</table>
M.Sc. in Physics

Duration: 2 Years
For Men Candidates only

Eligibility Requirements

- 10+2 years of schooling and 3 years of university (total 15 years) as recognized by SSSIHL.
- Either passed or appeared for Final exams at Bachelor’s degree level before Admissions Test.
- Bachelor’s degree: 50% or more (English) and 60% (Aggregate incl. English) or CGPA aggregate of 6 or more (10-point scale) and 5 or more (10-point scale) in English.
  (If not appeared for Bachelor’s degree final exams, aggregate marks in all the preceding Years/Semesters will be considered)
- Candidates with a B.Sc. (Hons.): Physics as a 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 23 years as of 31st May in the year of admission.

Programme Description

The Masters Programme in Physics is designed to equip the students with strong fundamentals of physics. Specialization in Photonics, Nuclear Physics or Electronics is offered in the second year of study. Students get adequate exposure to theory and experimental methodology of Modern Physics along with requisite computational techniques. A project work is designed to cater to the research potential of the students wherein they are exposed to gain experience in handling sophisticated equipment and are exposed to advanced concepts in Physics.

Courses taught per Semester

- Students have an option to specialize in either Photonics, Nuclear Physics or Electronics.

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
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</thead>
<tbody>
<tr>
<td><strong>Semester 1</strong></td>
<td><strong>Semester 3</strong></td>
</tr>
<tr>
<td>Classical Mechanics, Mathematical Physics, Classical Electrodynamics, Quantum Mechanics-1, Laboratory course in General Physics and Software and a Comprehensive Viva voce</td>
<td>Molecular Spectroscopy, Quantum Mechanics-II, one course to be chosen from the streams of Photonics, Nuclear Physics and Electronics, one course from a set of twelve electives, a Specialization Laboratory, a Project Work Review and a Comprehensive Viva voce</td>
</tr>
<tr>
<td><strong>Semester 2</strong></td>
<td><strong>Semester 4</strong></td>
</tr>
<tr>
<td>Statistical Physics, Nuclear and Particle Physics, Condensed Matter Physics, Applied Optics, Laboratory course in General Physics and Software and a Comprehensive Viva voce</td>
<td>Semiconductor Device Physics, Advanced Computational Techniques in Physics, one course to be chosen from the streams of Photonics, Nuclear Physics and Electronics, one course from a set of twelve electives, a Specialization Laboratory, Project Work and a Comprehensive Viva voce</td>
</tr>
</tbody>
</table>

M.Sc. in Materials Science

Duration: 2 Years
For Men Candidates only

Eligibility Requirements

- 10+2 years of schooling and 3 years of university (total 15 years) as recognized by SSSIHL.
- Either passed or appeared for Final exams at Bachelor’s degree level before Admissions Test.
- 10+2 years of schooling and 3 years of university (total 15 years) as recognized by SSSIHL.
- Candidates with a B.Sc.(Hons.) in Physics with Chemistry and Mathematics as the other two compulsory subjects are eligible to apply; OR
- Candidates with a B.Sc.(Hons.) in Chemistry with Physics and Mathematics as the other two compulsory subjects are eligible to apply; OR
- Candidates with a B.Sc. without Honours: 3-subject combination of Physics, Chemistry and Mathematics as compulsory subjects and either Biosciences/Electronics/Computer Science as additional subjects (if any) are eligible to apply; OR
- Candidates with a B.Sc. in Applied Physics/Nanoscience & Nanotechnology degree with Mathematics as one of the compulsory subject are also eligible to apply.
At Bachelor's degree: 50% or more (English) and 60% (Aggregate incl. English) or CGPA aggregate of 6 or more (10-point scale), and 5 or more (10-point scale) in English. (If candidate has not appeared for Bachelor's degree final exams, aggregate marks in all the preceding Years/Semesters put together will be considered)

Age: Preferably below 23 years as of 31st May in the year of admission.

Candidates should have passed or appeared for the Final Year/Semester qualifying examination of the Bachelor’s degree before 30 May 2016.

Programme Description

The M.Sc. in Materials Science programme at SSSIHL explores the scientific fundamentals of materials, their design and processing for real world applications. The curriculum is designed to provide adequate inputs in the preparation and characterization of different types of materials, understanding their properties and exploring their utility and applications in varied fields like energy harvesting, civil and automobile industry, space and defense and in biomedical industry. With inputs from Physics and Chemistry, this programme is designed to bring together expertise from different branches of science.

Owing to the interdisciplinary nature of the field, students will explore the basis of bridging the gap between the fundamentals of biomaterials, nanomaterials, ceramics, metals, polymers, electronic materials and composites, and emphasizes the relationships between atomic structure and microstructure as well as the properties, processing and performance of the materials. The ability to create new materials is an exciting feature of Materials Science. Some typical applications include: Biomaterials for tissue engineering, Ceramics for energy applications, Composites and metals for aerospace, Computational techniques for materials development, Eco-friendly materials for green technologies, Genetically engineered molecules and semi-conductors for electronics, Magnetic materials for information storage/processing, Biomedicine and energy conversion, and Polymers for telecommunications and solar energy.

Courses taught per Semester

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
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</thead>
<tbody>
<tr>
<td><strong>Semester 1</strong></td>
<td><strong>Semester 3</strong></td>
</tr>
<tr>
<td><strong>Semester 2</strong></td>
<td><strong>Semester 4</strong></td>
</tr>
</tbody>
</table>

M.Sc. in Chemistry

Duration: 2 Years  
For Men Candidates only

Eligibility Requirements

- 10+2 years of schooling and 3 years of university (total 15 years) as recognized by SSSIHL
- Either passed or appeared for Final exams at Bachelor’s degree level before Admissions Test
- Bachelor's degree: 50% or more (English) and 60% (Aggregate incl. English) or CGPA aggregate of 6 or more (10-point scale) and 5 or more (10-point scale) in English.
  (If not appeared for Bachelor's degree final exams, aggregate marks in all the preceding Years/Semesters put together marks will be considered)
- Only candidates with a B.Sc. or B.Sc. (Hons) in Chemistry are eligible to apply
- Age: preferably below 23 years as of 31st May in the year of admission

Programme Description

The Masters Programme in Chemistry covers all aspects of the different branches of chemistry and lays emphasis on detailed understanding of the fundamental principles and on training in appropriate computational and experimental methods. 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 advanced emerging fields of research in the final semester.

**Courses taught per Semester**

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 1</strong>&lt;br&gt;Quantum Chemistry and Group Theory (Theory only), Mathematics for Chemistry (Theory only), Analytical Chemistry (Theory and Practicals), Coordination Chemistry (Theory and Practicals), Advanced aspects of Organic structure and Stereochemistry (Theory only), Organic Qualitative Analysis (Practicals only)</td>
<td><strong>Semester 2</strong>&lt;br&gt;Organometallic Chemistry, Polymer Chemistry and Special Topics from Physical Chemistry, one elective course to be chosen from Chemistry and one inter-departmental elective, a practical course in Computational and Statistical tools for Chemistry and Project Work (Review)</td>
</tr>
</tbody>
</table>

**M.Sc. in Biosciences**

Duration: 2 Years | For Women and Men Candidates

**Eligibility Requirements**

- 10+2 years of schooling and 3 years of university (total 15 years) as recognized by SSSIHL
- Either passed or appeared for Final exams at Bachelor’s degree level before Admissions Test
- Bachelor’s degree: 50% or more (English) and 60% (Aggregate incl. English) or CGPA aggregate of 6 or more (10-point scale) and 5 or more (10-point scale) in English. (If not appeared for Bachelor’s degree final exams, aggregate marks in all the preceding Years/Semesters put together marks will be considered)
- Only candidates with a B.Sc. or B.Sc.(Hons) in Biosciences, Botany or Zoology are eligible to apply
- Age: preferably below 23 years as of 31st May in the year of admission

**Programme Description**

The curriculum of M.Sc. in Biosciences is designed to provide an in-depth understanding of the major sub-disciplines of life sciences such as Molecular biology, Microbiology, Biochemistry, Developmental biology, Immunology and Genetics. Strengthening the foundations in these aspects sets the stage for elective courses offered in advanced topics in the domains of Biotechnology and Systems Biology. 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. A 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. Weekly colloquia and lab meetings require students to make presentations on their progress to the faculty members and research scholars of the department thereby honing their communication skills and building confidence.

**Courses taught per Semester**

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 1</strong>&lt;br&gt;Molecular Cell Biology, Molecular Biology, Plant Systematics and Conservation, Instrumentation and two practical courses</td>
<td><strong>Semester 3</strong>&lt;br&gt;Intermediary metabolism, Cytogenetics and Plant Breeding, two electives from the streams of Biotechnology / Mycology &amp; Plant Pathology, two practical courses and Project Work (Review)</td>
</tr>
</tbody>
</table>
M.Sc. in Food and Nutritional Sciences

Duration: 2 Years  For Women Candidates only

Eligibility Requirements

- 10+2 years of schooling and 3 years of university (total 15 years) as recognized by SSSIHL
- Either passed or appeared for Final exams at Bachelor’s degree level before Admissions Test
- Bachelor’s degree: 50% or more (English) and 60% (Aggregate incl. English) or CGPA aggregate of 6 or more (10-point scale) / 3.5 or more (5-point scale) with 50% or more in English
  (If not appeared for Bachelor’s degree final exams, aggregate marks in all the preceding Years/Semesters put together marks will be considered)
- Only candidates with a B.Sc. in Home Science or Biosciences, or Mathematics / Physics / Chemistry are eligible to apply
- Age: preferably below 23 years as of 31st May in the year of admission

Programme Description

The Master of Science (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 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 Counselling 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 and NGOs with particular emphasis on community service.

Courses taught per Semester

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 1</strong></td>
<td><strong>Semester 3</strong></td>
</tr>
<tr>
<td>Concepts in food science, nutrition and technology, Instrumentation techniques, Research methodology and applied statistics, Food microbiology and safety, Practical I: Food microbiology and safety Practical II: Food analysis</td>
<td>Nutrition through life cycle, (A) Advanced Human Nutrition (B) Food grain and oil seed Technology, (A) Therapeutic nutrition and Dietsetics, (B) Advances in food processing and packaging technologies, Elective I, Practical V: PFNS-301, Practical VI: Specialization laboratory I A / B, Practical VII: Experimental methods Project work (review)</td>
</tr>
<tr>
<td><strong>Semester 2</strong></td>
<td><strong>Semester 4</strong></td>
</tr>
<tr>
<td>Bio-macro molecules and intermediary metabolism, Chemistry of food components, Food fortification and fermentation, Food product development and evaluation, Practical III: PFNS-202, PFNS-203, PFNS-204, Practical IV: Computer applications in research</td>
<td>(A) Functional foods and molecular nutrition, (B) Dairy technology (A) Public nutrition and epidemiology, (B) Post harvest management of fruits and vegetables, Elective II, Practical VIII: Specialization laboratory II A / B, Practical IX: Special research techniques Project work, Comprehensive Viva voce</td>
</tr>
</tbody>
</table>
**FILL IN AN APPLICATION FORM**

There are two ways to fill in an application form:

1. **ONLINE** – visit: sssihl.edu.in
   - Click on the link for online application, and you will be guided step-by-step on how to fill in the form.
   - **Note**: It is mandatory that you have an email ID. If you do not have one yet, we suggest you create an online account with a popular service provider such as Google, Yahoo, Hotmail, etc. They are all free of charge.

2. **PAPER** – Get a paper application form:
   - **By Hand** – pick up a paper application form
   - **By Post** – get a paper application form posted to you

**ONLINE APPLICATION**

The fastest, simplest and most secure way to apply to SSSIHL is to visit the home page of the university’s website, sssihl.edu.in, click on the link for online application, and you will be guided step-by-step on how to fill in the form.

**Note**: Once completed, you will be able to view the filled-in application form in PDF format and save it on your computer. You must have Adobe Acrobat Reader installed on your computer to view the PDF.

**Important**: If you apply for more than one programme, you must fill in a separate form and enclose a separate DD/IPO etc. for each programme.

**PAPER APPLICATION (BY HAND)**

If you choose to pick up the application form yourself (or have a friend pick it up on your behalf), kindly visit the Admissions Office located in the Administrative Building at SSSIHL, Prasanthi Nilayam.

The cost of the form is ₹100 and the amount can be paid in cash at the time of your visit.

**PAPER APPLICATION (BY POST)**

To get the application form by post, please write to:

The Admissions Office
Administrative Building
Sri Sathya Sai Institute of Higher Learning
Prasanthi Nilayam – 515 134
Dist. Anantapur
Andhra Pradesh

**Note**: If you apply for more than one programme, you need to send separate written requests along with the below-mentioned DD/IPO.

You must send the following along with the written request for each application:

1. **Indian Postal Order (IPO) or Demand Draft (DD) for Rs.100/-**: The Bank draft should be drawn in favour of Sri Sathya Sai Institute of Higher Learning, payable at SBI, Prasanthi Nilayam/Puttaparthi.

2. Your name and complete postal address along with programmes for which application form is required should be clearly stated in BLOCK letters on the reverse of the IPO/DD and also in the requisition letter.

3. **Indication of which Undergraduate programme you would like to apply to**: Incorrect forms will be rejected.

4. **Complete postal address for correspondence** - Please indicate your complete address, clearly mentioned in your written request, so that we can post you the form and Admissions Handbook.

**DOCUMENTS CHECKLIST**

Once you have filled in the paper application form in full – complete with signatures, self-attested photograph, etc. you will have to make sure that you collect all the supporting documents that are requested with the form before posting the application to SSSIHL.
Online applicants will be able to view their form in full in PDF format after they go through the online application portal and will be able to print the same.

THE COMPLETE LIST OF SUPPORTING MATERIALS TO INCLUDE IS:

1. **One additional passport-sized photograph**
   This is in addition to the one you have attested and stuck on the application form. On the reverse side of the photograph, please clearly write the following: Your name and applicant ID (online applications) or application number (paper applications)

2. **Statement of Marks**
   For Postgraduate/Professional Programme applicants: Self-attested photocopies of the Statement of Marks for X Std. issued by your Higher Secondary School Board. Self-attested photocopies of the Statement of Marks for XII Std. issued by your Higher Secondary School Board. Self-attested photocopies of the Statement of Marks (along with the final degree certificate) of all semesters/years issued by the authority (University/College/Institution) that 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 send final mark sheets for all the years preceding the final year. If your institution follows a semester system, please send exam mark sheets for all semesters preceding the final semester.

3. **Co-curricular Achievements**
   This is optional. If you have certificates that highlight your involvement in co-curricular (non-academic) activities, please include attested copies of these with your application for consideration.

**SUBMIT APPLICATION FORM WITH REQUIRED DOCUMENTS**

Once you are satisfied that you have completed all the necessary requirements for the application form and the supporting materials, you will now be in a position to post your application to the Admissions office of the university.

Please follow these four steps to ensure your application will be processed and not rejected:

1. **Staple** the filled application form with all supporting materials. Then, seal them in an A4-sized envelope. This is important so you do not fold the form and certificates attached.

   **Note:** ONLINE APPLICANTS ONLY - If you have chosen to pay online, kindly print and attach a copy of the electronic receipt. Otherwise, kindly send an Indian Postal Order (IPO) or Demand Draft (DD) for ₹100/- per application. The Bank draft should be drawn in favour of Sri Sathya Sai Institute of Higher Learning, payable at SBI, Prasanthi Nilayam/Prasanthi Nilayam/Puttaparthi.

   **IMPORTANT:** All Online applicants must send the printed copies of their completed application forms along with their mark sheets and payment to the Admissions Office by post or in person.

2. **Write the Applicant ID** (online applications) or **Application Number** (paper applications) and the course for which you have applied on the envelope that you are posting.

3. **Post the completed application so that it reaches the university BEFORE the application deadline: 10 March 2016**. On average, allow one week for applications posted within South India and two weeks for the rest of India. Late Applications reaching after this date will be rejected.

4. **It is compulsory that all applications are posted either by Registered Post or via a courier service** to the address provided below: Should you opt for a courier service, it is advisable that you check with them if they have an office or delivery service at Puttaparthi, Andhra Pradesh. Two examples include: DTDC or Professional Couriers, both of whom have offices at Puttaparthi.

The postal address to use is:

**The Admissions Office**
Administrative Building
Sri Sathya Sai Institute of Higher Learning
Prasanthi Nilayam – 515 134
Dist. Anantapur
Andhra Pradesh

**Tip:** Application forms can also be submitted in person at the admissions office at the Administrative Building of SSSIHL, Puttaparthi.

**AWAIT CONFIRMATION ON ELIGIBILITY FOR WRITTEN TEST**

Once the Admissions Office receives your application, it will be duly processed to make sure that you meet all the preliminary eligibility criteria and that all the supporting materials (including your application form) are accurate.

List of applicants whose forms have been accepted will be put on the website sssihl.edu.in on a weekly basis.

If you meet all these criteria, the university will write to you on the mailing address that you indicated in your application form. You will receive an Admissions Entrance Test card (Hall ticket). This will allow you to sit for the Admissions Entrance Test.

If you do not meet the criteria, you will also hear in writing from the university, stating that your application has been rejected.

The list of candidates called for the admissions test will be put on the university’s website by 31st March 2016.

**Important:** Those candidates who have been called for admissions test but have not received the hall ticket, can collect the same, one day prior to their scheduled admissions test from the test centre.
If your application is successful—which means you have met the minimum eligibility criteria and submitted all the information to SSSIHL exactly as required—the Admissions Office will post you an Admissions Entrance Test Card. Once you receive this, you are required to travel to Prasanthi Nilayam, Puttaparthi (in Andhra Pradesh) to take your admissions test. If you clear the written test, you will have to attend an interview/group discussion. The interview is usually conducted on the very next day following the test.

What about the ADMISSIONS TESTS SCHEDULE?
Admissions Tests and interviews for 2016 entry will be held between 17-30 April 2016. You must arrive at least the day before your test. Refer to the Admissions Test schedule below for exact dates.

<table>
<thead>
<tr>
<th>DATES &amp; DEADLINES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Admissions Test Results: <strong>Sun, 1 May 2016</strong></td>
</tr>
<tr>
<td>Reporting date for selected candidates: <strong>Tue, 31 May 2016</strong></td>
</tr>
<tr>
<td>Academic Year 2015/16 begins: <strong>Wed, 1 June 2016</strong></td>
</tr>
</tbody>
</table>

### ADMISSIONS TEST AND INTERVIEW SCHEDULE FOR WOMEN

**Postgraduate Programmes**
M.A. in English Language & Literature | M.Sc. in Biosciences | M.Sc. in Food and Nutritional Sciences

<table>
<thead>
<tr>
<th>Programme</th>
<th>Activity</th>
<th>Date</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Programmes (common for all candidates)</td>
<td>Written Tests (General English)</td>
<td>Tue 19 April</td>
<td>9.00 A.M. – 10.30 P.M.</td>
</tr>
<tr>
<td>M.Sc. in Food and Nutritional Sciences</td>
<td>Written Tests (Subjects)</td>
<td>Tue 19 April</td>
<td>10.45 A.M. – 12.45 P.M.</td>
</tr>
<tr>
<td>M.A. in English Language &amp; Literature and M.Sc. in Biosciences</td>
<td>Written Tests (Subjects)</td>
<td>Tue 19 April</td>
<td>2.15 P.M. – 4.15 P.M.</td>
</tr>
<tr>
<td>All Programmes</td>
<td>Interviews</td>
<td>Wed 20 April</td>
<td></td>
</tr>
</tbody>
</table>

### ADMISSIONS TEST AND INTERVIEW SCHEDULE FOR MEN

**Postgraduate Programmes**
M.A. in Economics | M.Sc. in Mathematics | M.Sc. in Physics | M.Sc. in Materials Science | M.Sc. in Chemistry | M.Sc. in Biosciences

<table>
<thead>
<tr>
<th>Programme</th>
<th>Activity</th>
<th>Date</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Programmes (common for all candidates)</td>
<td>Written Tests (General English)</td>
<td>Thu 28 April</td>
<td>9.00 A.M. – 10.30 P.M.</td>
</tr>
<tr>
<td>M.A. in Economics, M.Sc. in Mathematics, M.Sc. in Physics, M.Sc. in Chemistry and M.Sc. in Biosciences</td>
<td>Written Tests (Subjects)</td>
<td>Thu 28 April</td>
<td>10.45 A.M. – 12.45 P.M.</td>
</tr>
<tr>
<td>M.Sc. in Materials Science</td>
<td>Written Tests (Subjects)</td>
<td>Thu 28 April</td>
<td>4.30 P.M. – 6.30 P.M.</td>
</tr>
<tr>
<td>All Programmes</td>
<td>Interviews</td>
<td>Fri 29 April</td>
<td></td>
</tr>
</tbody>
</table>
WHAT DO I DO ON THE MORNING OF THE ADMISSIONS TEST?

All admissions tests will be held at the Prasanthi Nilayam Campus of the university. The building is located 200 meters from the Ganesh Gate of the ashram. (Take a right once you exit the ashram and walk past the bus stand, the police station and the shops. The college building will be on your left). It is a five minutes walk.

You are required to report to the premises 45 minutes prior to your scheduled test time. For example, if your test begins at 9 a.m., reach the college building at 8:15 a.m.

When you reach the main entrance of the building, various instructions and announcements pertaining to the tests, interviews etc. will be displayed on the notice board at the entrance of the college building.

Do I need to bring anything with me to the Entrance Test?

All candidates need to bring:
1. Two HB pencils
2. An eraser and sharpener for the admissions test.
3. A pen (preferably blue ink).

Electronic Calculators are strictly NOT allowed.

MULTIPLE-CHOICE BASED EVALUATION

The admissions tests are largely objective multiple-choice questions that are evaluated by an Optical Mark Recognition (OMR) system. The OMR system is foolproof and 100% accuracy is guaranteed during evaluation. **Negative marks are awarded for every incorrect answer.** This is usually 25% of the total marks allocated for that particular question.

THE RESPONSE SHEET

The Response Sheet (see sample below) is a paper OMR sheet that contains checkbox bubbles which can be recognized by OMR software for automatically capturing your responses to multiple choice responses. This is how you will be evaluated.

Candidates are required to accurately write the following details on the Response Sheet:
- Applicant ID
- Question Paper Code No.
- Room Number
- Test Date

WHAT ABOUT THE INTERVIEW?

Only candidates who pass the written test will be invited for an interview. Candidates are shortlisted for an interview on the basis of their performance in General English and the total aggregate of other tests, both of which have a minimum cut-off point.

The interview process evaluates the suitability of the candidates keeping in view the unique requirements of the fully residential, values-based system of education at SSSIHL.

The interview is usually conducted on the very next day following the written test.

Admission Test results are published on the same day of the test (late evening/night) or early morning of the following day.

They will be posted on notice boards at the following two places:
Opposite the Accommodation Office in the ashram
Prasanthi Nilayam Campus

The above notice will also contain details regarding the date and the time of Interviews.

If you are selected for the interview stage, you will be required to spend more time at Prasanthi Nilayam.

**HOW DO I REACH PRASANTHI NILAYAM?**

Prasanthi Nilayam is the name of the ashram established by Bhagawan Sri Sathya Sai Baba. It is also the name of the main campus of Sri Sathya Sai Institute of Higher Learning. It is located in Puttaparthi, in the district of Anantapur, Andhra Pradesh.

**By train:**
Prasanthi Nilayam has a railway station by the name Sri Sathya Sai Prasanthi Nilayam (station code: SSPN). The campus and ashram are located at about 10 km from the railway station. Several trains come directly to Sri Sathya Sai Prasanthi Nilayam. Auto rickshaws will charge around Rs. 80 for a one-way fare to the main entrance of the ashram. Alternatively, you can reach Puttaparthi by taking a train to the Dharmavaram Junction (station code: DMM). Dharmavaram is about 40 km from Puttaparthi and is on the Guntakal-Bangalore section of the South-Central Railway.

Those alighting at Dharmavaram Railway Station may board direct buses from the railway station to Prasanthi Nilayam. If direct buses are not available from the station, you can take an auto rickshaw to the Dharmavaram Bus Stand, from where buses to Puttaparthi are available for a nominal charge. Private taxis and vans may also be available in the vicinity of the Dharmavaram Bus Stand.

A computerized Railway Reservation facility is available at the Puttaparthi bus stand for those who wish to book return tickets.

**By bus:**
Puttaparthi may be reached directly by bus from Chennai, Bangalore, Hyderabad, and major towns of Andhra Pradesh. Buses alight at the Puttaparthi Bus Stand which is conveniently located directly opposite to the entrance gate of the ashram.

**By car:**
Puttaparthi is located off National Highway (NH) 7, which connects Bangalore to Hyderabad. Look out for signs to Puttaparthi or visit Google Maps for point-to-point directions.

**By flight:**
The nearest airport to Puttaparthi is Bangalore International airport. Once you exit the terminal building, you can negotiate a taxi to take you to Puttaparthi. On average, expect to pay ₹1800 to ₹2000 for a one-way taxi fare. It takes less than three hours to reach Puttaparthi from Bangalore airport.

**When should I arrive?**
We strongly recommend that you arrive in Prasanthi Nilayam the day prior to the Written Test.

To ensure that you get accommodation in the ashram, we strongly suggest that you arrange your travel plans so that you arrive at the ashram accommodation office before 8 p.m. (latest) on the day of your arrival.

**How can I get accommodation?**
The entrance of the ashram (Ganesh Gate) is located opposite the bus stand. Following a brief security check (of your luggage), you may proceed directly to the accommodation office. For any help or directions, just ask a sevadal (women or men volunteers with yellow or blue scarves) to assist you.

**Accommodation**
All candidates (and their accompanying parents/wards) visiting Prasanthi Nilayam for entrance tests will be provided accommodation at nominal prices inside the ashram. However, it is mandatory that you have your Admission Test Entrance card at hand and produce it to the Accommodation Officer on arrival.

The accommodation office is located inside the ashram opposite the South Indian canteen and is open from 6:15 a.m. to 8 p.m. everyday. You cannot get accommodation in the ashram outside of these hours. Entry to the Ashram – via car or by foot (Ganesh Gate) is between 4 a.m. and 9:30 p.m., everyday.
POSTGRADUATE PROGRAMMES

Candidates can refer to the various syllabi, depending on the course they have applied for, as indicated in their application forms.

There will be negative marking for all multiple choice questions.

COMPULSORY FOR ALL M.A. / M.Sc. PROGRAMMES

GENERAL ENGLISH

Question Paper Format:
1. Comprehension (Unseen Passage)
2. Vocabulary: Pair of words often confused on word substitutes
3. Grammar: Propositions, tenses, structural items, voices etc., reported speech, phrasal verbs, word formation.
4. Compositions: Expansion of a proverb or paragraph writing (150-200 words).
5. Spelling.

M.A. in ENGLISH LANGUAGE AND LITERATURE

QUESTION PAPER FORMAT:
› Five short answer type: Comprehension of unseen passage, prose, poetry (100 words).
› Long Answer (essay) type: Testing the knowledge and understanding of literary background (400 words).
› Set on major literary forms (150 words).
› Multiple choice type: a) Vocabulary testing b) Common literary terms c) Rewriting a passage: to correct grammatical mistakes - in verbs, spelling or of a similarly type.

Prescribed texts:
› A short history of English Literature by Evans.
› A background to the study of English Literature - for Indian students by B. Prasad, Macmillan.

M.A. in ECONOMICS

The test is designed to ensure that selected candidates are able to cope with the requirements of the M.A. (Economics) programme at the university. This programme is designed to enable students to handle issues within an analytical frame, argue logically and articulate their views clearly. They are also expected to undertake processing of data to derive meaningful conclusions and to make empirical judgments consistent with social realities and ethical values.

QUESTION PAPER FORMAT:
The question paper of two hours duration and carrying 75 marks, is divided into three sections:

Section A- Objective type questions
Section B- Short answer questions
Section C- One essay type question

Level and coverage of questions is comparable to those of a good undergraduate programme in economics. Topics covered are as follows:

1. Economic Theory:
   Consumer behaviour: preference ordering, utility, budget sets and demand functions; Theory of the firm; Costs, supply and factor demand; Market structure: pricing and production under perfect and imperfect competition, General equilibrium and welfare; Taxation; Elements of national income accounting; Level of economic activity under classical assumptions; Keyesian theory of effective demand and employment; Monetary and fiscal policies; International trade.

2. Quantitative Methods:
   Functions of one variable; Linear and quadratic equations; Derivatives and rules of differentiation; Measures of central tendency and dispersion; Correlation and regression with two variables; Index numbers; Elements of probability theory; Random variables and common distributions.

3. Indian Economy and Development:
   Basic issues and indicators of economic development; Economic growth; Aspects of development policy: Population growth and employment; Strategies and theories of development; Human values and economic development; Structure of the Indian economy; Human resource development; Persistence of poverty and inequality; New economic policy regime; Indian ethos and policies for all round development; Aspects of the International Economy.

M.Sc. in MATHEMATICS

M.Sc. (Mathematics) program is an intense 2 year PG program with avenues for obtaining anyone of the three possible specializations viz. Pure Mathematics, Applied Mathematics, and Computer Science if candidates wish to choose a specific domain of expertise. Applicants who wishes to enter this BSc-MSc Integrated Program at MSc level must satisfy the pre-requisite qualification criteria. Those who are found suitable will be tested for their competence in General English, Mathematics and Computer Science.

QUESTION PAPER FORMAT:
Test on Mathematics and Programming skills will be of 2 hours duration carrying 75 marks with the following pattern:

Section A- 40 multiple choice questions- 40 marks
Section B- 5 problem solving type questions- 5 marks each- internal choice - 25 marks
Section C- Short C-Programming Test- 10 Marks

Viva voce: 30 marks- Those who are qualified in English and Written Test will undergo a technical Viva voce.

The candidate must be familiar with the following topics of Mathematics and Computer Science.

Mathematics: Calculus, Differential Equations, Probability Theory, Real Analysis, Group Theory, Ring Theory, Linear Algebra, Complex Analysis, Discrete Mathematics, and Numerical Analysis. The detailed syllabus is as follows:

Calculus: Higher Order Partial Derivatives, Differentiability, Gradient, the Chain Rule, Directional Derivative, Total Differential and Approximation, Constrained Extrema and Lagrange Multipliers, Double and Triple Integration.

Differential Equations: Classification of Ordinary and Partial Differential Equations, Types of Solutions, Existence and Uniqueness of Solution for an Initial Value Problem, Bernoulli Equation, Exact Differential Equations and Integrating Factors, Cauchy-
Interview

Admission Test syllabus for Written Test (Paper-2) & Technical

Final Personality Interview: Subject to clearing the Technical written test

Technical Interview: 30% weightage- Subject to qualification in the graduate level physics

Section B- 50 marks- to test the depth of knowledge in the undergraduate level

Section A- 25 marks- to test the basic understanding in

Paper-2: Subject Paper will contain two sections A & B:

Paper 1: General English (as already explained above)

divided into three sections:

Science and Programming once they are enrolled for the course. Science specialization will be tested in fundamentals of Computer Science: C Language Programming: A minimal exposure to programming is expected from the students. Nevertheless, those qualified for the M.Sc. (Maths) programme and desirous of opting for computer science specialization will be tested in fundamentals of Computer Science and Programming once they are enrolled for the course.

M.Sc. in PHYSICS

QUESTION PAPER FORMAT

The question paper of two hours duration and carrying 75 marks, is divided into three sections:

Written Test: Objective Type questions- 70 % weightage
Paper 1: General English (as already explained above)
Paper-2: Subject Paper will contain two sections A & B.
Section A- 25 marks- to test the basic understanding in Mathematics, Electronics, Chemistry & Computer Science at the undergraduate level
Section B- 50 marks- to test the depth of knowledge in the undergraduate level physics
Technical Interview: 30% weightage- Subject to qualification in the written test
Final Personality Interview: Subject to clearing the Technical Interview

Admission Test syllabus for Written Test (Paper-2) & Technical Interview

SECTION A - 25 MARKS

Mathematics: Calculus of single and multiple variables, partial derivatives, Matrices and determinants, Algebra of complex numbers; Taylor expansion, Fourier series; Vector algebra, Vector Calculus, Multiple integrals, Divergence theorem, Green's theorem, Stokes' theorem. First order equations and linear second order differential equations with constant coefficients.

Integral Calculus: Integration as the inverse process of differentiation, definite integrals and their properties, Fundamental theorem of integral calculus. Double and triple integrals, change of order of integration. Calculating surface areas and volumes using double integrals and applications. Calculating volumes using triple integrals and applications. Vector Calculus: Scalar and vector fields, gradient, divergence, curl and Laplacian. Scalar line integrals and vector line integrals, scalar surface integrals and vector surface integrals, Green's, Stokes and Gauss theorems and their applications.

Linear Algebra: Vector spaces, Linear dependence of vectors, basis, dimension, linear transformations, matrix representation with respect to an ordered basis, Range space and null space, rank-nullity theorem; Rank and inverse of a matrix, determinant, solutions of systems of linear equations, consistency conditions. Eigenvalues and eigenvectors. Cayley-Hamilton theorem. Symmetric, skewsymmetric, hermitian, skew-hermitian, orthogonal and unitary matrices.


Electronics: Boolean algebra: Binary number systems; conversion from one system to another system; binary addition and subtraction. Logic Gates AND, OR, NOT, NAND, NOR exclusive OR, Truth tables; combination of gates; de Morgan's theorem; Zener diode and its applications, BJT: characteristics in CB, CE, CC modes. Single stage amplifier, two stage R-C coupled amplifiers. Simple Oscillators: OR, AMP and applications. Inverting and non-inverting amplifier. 8085 or 8086 Microprocessor architecture and knowledge of assembly language programming.

Chemistry: Periodic Table: Periodic classification of elements and periodicity in properties; general methods of isolation and purification of elements. Chemical Bonding and Shapes of Compounds: Types of bonding:ionic and covalent bonding, M.O. and V.B. approaches for diatomic molecules, VSEPR theory and shape of molecules, hybridisation; Chemical Thermodynamics: Reversible and irreversible processes; First law and its application to ideal and nonideal gases; Thermochemistry; Second law; Entropy and free energy, Criteria for spontaneity. Chemical and Phase Equilibria: Law of mass action; Kc, Kp, and Kx; Effect of temperature on K; Ionic equilibria in solutions; pH and buffer solutions; Chemical Kinetics: Reactions of various order; Basis of Organic Reactions Mechanism: Elementary treatment of SN1, SN2, E1 and E2 reactions; Acids and Bases: Arrhenius, Lowry-Bronested concepts of acids and bases - Strengths of acids and bases.

Computer Science: Basic knowledge of computer systems, software and programming; Number systems. Basic electronic gates. Algorithmic approach to solve problems. Fundamentals of C language.

SECTION B (PHYSICS) - 50 MARKS

Mechanics and General Properties of Matter: Newton's laws of motion and applications, Velocity and acceleration in Cartesian, polar and cylindrical coordinate systems, uniformly rotating frame, centrifugal and Coriolis forces. Motion under a central
force, Kepler’s laws, Gravitational Law and field, Conservative and non-conservative forces, System of particles, Centre of mass, equation of motion of the CM, conservation of linear and angular momentum, conservation of energy, variable mass systems. Elastic and inelastic collisions. Rigid body motion, fixed axis rotations, rotation and translation, moments of Inertia and products of Inertia, parallel and perpendicular axes theorem. Principal moments and axes. Kinematics of moving fluids, equation of continuity, Euler’s equation, Bernoulli’s theorem.


Solid State Physics and Devices: Crystal structure, Bravais lattices and basis. Miller indices. X-ray diffraction and Bragg’s law; Intrinsic and extrinsic semiconductors, variation of resistivity with temperature. Fermi level. p-n junction diode, I-V characteristics.

Atomic and Molecular Spectroscopy: Atomic Spectra: Spin and orbital angular momenta and related quantum numbers, Elements of Molecular Spectroscopy: quantization of energy; representation of spectra; elements of practical spectroscopy.

Lasers: Quantum theory of radiation; Einstein A and B coefficients, Essential elements of a laser; laser operation; characteristics of laser light.

M.Sc. in MATERIALS SCIENCE

Admission Procedure: Written test, subject viva and Interview.

Admission Test Question paper format
The admission test consists of two parts, a test in General English followed by a subject based test.

Part I: GENERAL ENGLISH
See Page 45

Part II: Subject based test: (Objective type – 75 Marks)
In this section, the questions will be from topics in B.Sc. level in Physics and Chemistry for about 25 marks each and questions on basic mathematics for 25 marks.

Admission test Syllabus:

Mathematics:
Matrices: Algebra of Matrices, Rank of a Matrix, inverse of a matrix, determinant of a matrix, Solution of Simultaneous Equations, Eigen Values & Eigen Vectors.
Differential Calculus: Ordinary Differentiation and Leibnitz’s Theorem, Differential Calculus, Partial Differentiation, chain rules, exact differentials, separation of variables, Euler’s theorem for homogeneous functions, Total Differentiation, extrema of Function of several variables.
Integral Calculus: indefinite and definite integrals, integration using trigonometric identities, integration using substitution and change of variables, integration by parts.
Vectors: unit vectors, Vector Differentiation, scalar and vector products, gradient, divergence and curl.
Series and sequences: Convergence test, power series, Taylor and McLaurin series.

Physics:
Optics, atomic and molecular physics: Reflection, refraction, dispersion, polarization, interference and diffraction, Bohr model, line spectra, theory of hydrogen atom, Molecular spectra, Zeeman Effect, photoelectric effect, Compton Effect, X-rays, Lasers.
Quantum Mechanics: Wave and particle nature, de Broglie relation, wave packets, Uncertainty principle, Schrodinger equations, simple harmonic oscillator.
Solid state physics: Ionic and covalent solids, energy bands in solids, semiconductors.
Nuclear Physics: Radioactive decay, nuclear size and shape, mass and binding energy, different types of decay.
Chemistry:
Stoichiometry and the Basis of the Atomic Theory; acids and bases, Periodic table-chemical bonding and molecular structure; Molecular Orbital Theory; Periodic Properties; properties of gases; kinetic theory of liquids, phase equilibrium, properties of ideal and non-ideal solutions; chemical equilibrium; Ionic Equilibria in Aqueous Solutions; Valence and the Chemical Bond; Oxidation-Reduction Reactions; Chemical Thermodynamics; Chemical Kinetics; Organic Chemistry – hydrocarbons, functional groups, alcohols, alkenes and aromatic compounds; Electrochemical cells: Galvanic and electrolytic cells; Electrode types; Chemical cell.
M.Sc. in CHEMISTRY

QUESTION PAPER FORMAT: The question paper is of two hours duration carrying 75 marks, it is divided into three parts:

Section – A: (25 marks maximum) Objective type – 25 questions
Section – B: (6×5=30 marks) Short answer type. 6 questions out of 8 questions- Global choice.
Section – C: (1×20=20 marks) Essay type – long answer type- One out of two questions

GENERAL CHEMISTRY:

ANALYTICAL CHEMISTRY:

INORGANIC CHEMISTRY:

ORGANIC CHEMISTRY:

PHYSICAL CHEMISTRY:

BIOCHEMISTRY:

SPECTROSCOPY:

Infrared spectroscopy: Theory-instrumentation - Sampling techniques; Analysis of IR spectral data- identification of functional groups.

INDUSTRIAL CHEMISTRY:
Surface coatings: Paints and varnishes - Pigments: classification and applications.
Petroleum Refining: Occurrence - composition - processing - applications; Fuels from petroleum - raw materials (chemicals) from petroleum for industrial applications.
Polymers: Importance of polymers - basic concepts - Types of polymers - Structure and properties. Polymer processing, classification based on methods of preparation.
Dyes: Definition - classification based on method of application, color and structure - Classification based on chemical constitution - Methods of application.
Fertilizers: Classification - organic fertilizers, inorganic/commercial fertilizers.

M.Sc. in BIO SCIENCES

QUESTION PAPER FORMAT: The question paper is of two hours duration carrying 75 marks, it is divided into three parts:

Section – A (25 marks maximum) Objective type – 25 questions
Section – B (6×5=30 marks) Short answer type. 6 questions out of 8 questions- Global choice.
Section – C (1×20=20 marks) Essay type – long answer type- One out of two questions

BOTANY:
Cryptogams and Phanerogams: Important features (habit, morphology and reproduction) and General classification of Virus, Bacteria, Algae and Fungi. Common Viral, fungal and Bacterial diseases in Plants, Animals and Man. Economic importance of Bacteria, Algae and Fungi.

Evolutionary trends among Bryophytes, Pteridophytes and Gymnosperms and their economic importance systems of classification, Binomial nomenclature and modern trend in taxonomy. Economic importance of Brassicaceae, Melliaceae, Regiunicae, Solanaceae and Poaceae.

Plant Anatomy: Types of meristamic and other tissue systems in Plants Anatomy of root, stem and leaf in Dicots and monocots. Micro and Macro Sporogenesis, Endosperm, Polyembryony and embryogenesis in Dicots and Morocots.

Plant Physiology: Osmosis, Active Transport, Physiology of Photosynthesis Respiration, Transpiration and translocation, flowering, growth dormancy and Mineral nutrition in plants.

ZOOLOGY:
Non-Chordates & Chordates: Classification of Non-Chordates, Prochordates and Chordates Nutrition, Locomotion and reproduction in Protozoa Protozoan and Helminthes Parasites of Man, Comparative anatomy of Chordates, flight adaptations and migration in Birds. Poisonous and Non-Poisonous snakes of India. Dentition in Mammals, Apiculture, Sericulture, Pearl, Prawn and Fish culture techniques.


CELL BIOLOGY, GENETICS & EVOLUTION:
Structure of cell, Cell organelles, Types of Chromosomes Mitosis and Meiosis, Gametogenesis, mechanism of fertilization, cleavage patterns, Gastrulation, Plaentation and Menstruation in Mammals, Extra foeta membranes. Mendel’s laws of inheritance, Multiple alleles, linkage and crossing over, sex determination. Sex-linked inheritance Mutations, Operon concept, genetic code Eagenics, Principles of Plant and Animal Breeding; Evidences of evolution Divin’s and Lamarckian Theories of Evolution, Divin’s and Lamarckian Theories of Evolution origin and evolution of Man, Isolation and Speculation.

ENVIRONMENTAL BIOLOGY:

MICROBIOLOGY:
Classification and characteristics of microorganisms Physiology and Cu tivation of microbes. Microbes in water, soil, air food and secuage.

Air, Water, Soil, food and Vector bore diseases prophylactic measures Antigen, Antibody reactions and Principles of immunization.

BIOCHEMISTRY & BIOTECHNOLOGY:
Classification of enzymes, coenzymes and vitamins, structure functions and classification of carbohydrates, proteins and lipids and their energy metabolism.

Plant and Animal tissue culture techniques, Micro-Propagation, Monoclonal Antibodies, Protoplast Cu ture, DNA sequencing, Recombinant DNA, Applied aspects of Biotechnology in Agriculture, Animal Husbandry, Medicine, disease, diagnosis and Therapy.

M.Sc. in FOOD AND NUTRITIONAL SCIENCES

QUESTION PAPER FORMAT:
The question paper has two sections with time duration of 2 hours:
Section A- 50 marks- common to B.Sc. Homescience, B.Sc. Biosciences and B.Sc. (M.P.C) students
Section B- 25 marks- specific to B.Sc. Homescience, B.Sc. Biosciences and B.Sc. (M.P.C) students

For B.Sc. in Home Science students

Food Science, Nutrition and Dietetics: Food as a source of nutrients, composition, properties, characteristics, and nutritive value of different foods (cereal grains, millets, pulses, nuts and oil seeds, fruits and vegetables, milk and milk products, meat, egg, poultry, fish, spices and condiments. Chemistry and biochemical roles of fat soluble vitamins, water soluble vitamins, inorganic elements. 1. Energy requirement: Basal metabolism, total energy requirements. 2. Study of Nutrients: (a) Carbohydrates, proteins, fats - chemistry, biochemistry and nutritional aspects such as digestion, absorption, metabolism, functions, sources and requirements. (b) Vitamins and minerals - functions, sources, requirements, and deficiencies. 3. Water balance. 4. Methods of assessing the nutritional status. 5. Principles involved in adoption of normal diet for formulating therapeutic diet - use of food exchange groups. 6. Diets during pregnancy, lactation, infancy, school age, adolescent, adulthood and old age. 7. Nutritional deficiency diseases. 8. Diet in diseases (metabolic disorders, febrile conditions, surgical & other stress conditions) - causes, symptoms, physiological changes and dietary management. 9. National and International agencies and programmes in the betterment of Nutritional status.

weeks of life. 3. Infancy - 1 to 2 years: physical, motor, emotional and social development care during infancy; 4. Pre-school years (2 to 6 years); Physical growth and sequence, of motor skills, social behaviour, importance of children’s motor activities, intellectual development, oral development; 5. Significance of preschool education; 6. Preschool education: Essentials, Programmes, values of play - parent education; 7. Child from 6 through 12 years: Aspects given under 4th topic; 8. Adolescence: Physical changes, needs, interests, problems and adjustments, social and personality development; 9. Adulthood: Vocational, Marital and Social adjustments; 10. Old Age: Areas of adjustments; Inter-generational conflict.

Home Management: 1. Principles of Home Management of resources; 2. Interior decoration and furnishing: Art elements, principles of design, colour, functions and types of lighting, selection, use and care of household equipments.


For B.Sc. in Biosciences students


III. Cell Biology, Genetics & Evolution: Structure of cell, Cell organelles, Types of Chromosomes Mitosis and Meiosis, Gametogenesis, mechanism of fertilization, cleavage patterns, Gastrulation, Placentation and Menstruation in Mammals, Extra foeta membranes.

Mendel’s laws of inheritance, multiple altitudes, linkage and crossing over, sex determination. Sex-linked inheritance Mutations, Operon concept, genetic code Eugenics, Principles of Plant and Animal Breeding; Evidences of evolution Darwin’s and Lamarckian Theories of Evolution, Darwin’s and Lamarckian Theories of Evolution origin and evolution of Man, Isolation and Speculation.


V. Microbiology: Classification and characteristics of microorganisms Physiology and Cu lti tivation of microbes. Microbes in water, soil, air food and secuage. Air, Water, Soil, food and Vector bore diseases prophylactic measures Antigen, Antibody reactions and Principles of immunization.


Food Science, Nutrition and Dietetics:

Food as a source of nutrients, composition, properties, characteristics, and nutritive value of different foods (cereal grains, millets, pulses, nuts and oil seeds, fruits and vegetables, milk and milk products, meat, egg, poultry, fish, spices and condiments. Chemistry and biochemical roles of fat soluble vitamins, water soluble vitamins, inorganic elements. 1. Energy requirement: Basal metabolism, total energy requirements. 2. Study of Nutrients: (a) Carbohydrates, proteins, fats - chemistry, biochemistry and nutritional aspects such as digestion, absorption, metabolism, functions, sources and requirements. (b) Vitamins and minerals - functions, sources, requirements, and deficiencies. 3. Water balance. 4. Methods of assessing the nutritional status. 5. Principles involved in adoption of normal diet for formulating therapeutic diet - use of food exchange groups. 6. Diets during pregnancy, lactation, infancy, school age, adolescent, adulthood and old age. 7. Nutritional deficiency diseases. 8. Diet in diseases (metabolic disorders, febrile conditions, surgical & other stress conditions) - causes, symptoms, physiological changes and dietary management. 9. National and International agencies and programmes in the betterment of Nutritional status.

For B.Sc. in Mathematics / Physics / Chemistry students

WAIT FOR RESULTS / FINAL DECISION

After all the admissions tests and interviews are completed in April, final decisions about admissions will be made and posted on the university website (sssihl.edu.in) on the day following the completion of tests and interviews for that particular programme. By 1 May 2016, all results will be posted on the website.

Additionally, provisional list of selected candidates will also be put up at the Ashram (opposite the Accommodation office).

In addition, a selection letter will be sent to all selected candidates. Along with the letter, related information will also be included.

JOIN THE UNIVERSITY!

Congratulations! If you made it to this stage, you have got a place to study at Sri Sathya Sai Institute of Higher Learning. We look forward to welcoming you at one of our campuses.

The Academic Year 2016/17 commences on 1 June 2016.

LIST OF DOCUMENTATION TO BE SUBMITTED UPON ADMISSION

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

POSTGRADUATE AND PROFESSIONAL PROGRAMMES
› Original Marks Certificate of your college / university degree. If your final year results are not yet published, you should submit the original marks certificate of you previous degree / XII Standard.
› Transfer Certificate
› Conduct Certificate

HOW DO I CONTACT THE ADMISSIONS OFFICE IF I NEED FURTHER HELP?

The Admissions pages of the website (http://sssihl.edu.in/sssuniversity/Admissions.aspx) are designed to make sure that candidates have all the information that they require to successfully apply to SSSIHL.

You may refer to the Application Guide to get all the information you need for getting and filling an application form completely, supporting documentation and materials, and related information about test dates, schedules and how to find out about the progress of your application. We even have a dedicated Related Downloads page to further assist you.

The Application Guide will give you the answers to most, if not all, queries that you may have for admissions.

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

By Email:
› For admissions related queries, please email: admissions@sssihl.edu.in
› For online applications related queries, please email: onlineadmissions@sssihl.edu.in

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

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

+91 9441 911 391

The above numbers are for admissions related queries only between 9 a.m. and 5 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!
1 Programmes
2 Eligibility & Descriptions
3 Application Process
4 Written Test & Interview
If your application is successful—which means you have met the minimum eligibility criteria and submitted all the information to SSSIHL exactly as required—the Admissions Office will post you an Admissions Entrance Test Card. Once you receive this, you are required to travel to Prasanthi Nilayam, Puttaparthi (in Andhra Pradesh) to take your admissions test. If you clear the written test, you will have to attend an interview/group discussion. The interview is usually conducted on the very next day following the test.

What about the ADMISSIONS TESTS SCHEDULE?
Admissions Tests and interviews for 2016 entry will be held between 17-30 April 2016. You must arrive at least the day before your test. Refer to the Admissions Test schedule below for exact dates.

<table>
<thead>
<tr>
<th>DATES &amp; DEADLINES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Admissions Test Results: <strong>Sun, 1 May 2016</strong></td>
</tr>
<tr>
<td>Reporting date for selected candidates: <strong>Tue, 31 May 2016</strong></td>
</tr>
<tr>
<td>Academic Year 2015/16 begins: <strong>Wed, 1 June 2016</strong></td>
</tr>
</tbody>
</table>

**PROFESSIONAL PROGRAMMES FOR WOMEN**

<table>
<thead>
<tr>
<th>PROFESSIONAL Programmes (Duration: 2 years)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelor of Education (B.Ed.)</td>
</tr>
<tr>
<td>Master of Education (M.Ed.)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PROFESSIONAL Programmes (Duration: 2 years)</th>
</tr>
</thead>
<tbody>
<tr>
<td>M.B.A.</td>
</tr>
</tbody>
</table>

**PROFESSIONAL PROGRAMMES FOR MEN**

<table>
<thead>
<tr>
<th>PROFESSIONAL Programmes (Duration: 2 years)</th>
</tr>
</thead>
<tbody>
<tr>
<td>M.B.A.</td>
</tr>
<tr>
<td>M.Tech. in Computer Science</td>
</tr>
<tr>
<td>M.Tech. in Optoelectronics and Communications</td>
</tr>
</tbody>
</table>
This section will highlight the information for each individual professional programme. This includes: the length of the programme, whether it is applicable for women candidates or men or both, the eligibility criteria and a programme description, which includes the courses of study for each year (and semesters).

The minimum requirements for admissions vary from programme to programme. Candidates who do not meet all the admissions criteria listed for the programme they want to apply to will not be eligible for admissions and their applications will not be processed by the Admissions Office and a letter of rejection will be sent out to them.

Candidates belonging to Scheduled Castes/Scheduled Tribes are entitled to a relaxation of 5% marks for ALL programmes.

**NOTICE TO ALL APPLICANTS:** Given the unique Gurukula system of Values-based Integral Education at the university, where students need to be compulsorily resident at the hostel during the entire period of study, only single (bachelor / maiden) students will be admitted. Engaged or married candidates need not apply.

**THE FOLLOWING COURSE IS COMMON TO ALL PROFESSIONAL PROGRAMMES:**

1. **AWARENESS COURSE**

A course entitled ‘Awareness’ is taught for all four semesters of study for all Professional Programmes with the exception of the B.Ed. and M.Ed. programmes, where it is incorporated in the course structure.

The following topics are covered in this Awareness course over the four semesters:

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 1</strong></td>
<td><strong>Semester 3</strong></td>
</tr>
<tr>
<td>Education for Life - Individual Transformation</td>
<td>Guidelines for Life</td>
</tr>
<tr>
<td><strong>Semester 2</strong></td>
<td><strong>Semester 4</strong></td>
</tr>
<tr>
<td>God, Society and Man</td>
<td>My Life is My Message - Bhagawan Sri Sathya Sai Baba</td>
</tr>
</tbody>
</table>

**Bachelor of Education (B.Ed.)**

- **Duration:** 2 Years
- **For Women Candidates only**

**Eligibility Requirements**

- 10+2 years of schooling and 3 years of university (total 15 years) as recognized by SSSIHL
- Either passed or appeared for Final exams at Bachelor’s degree level before the date of Admissions Test
- Bachelor’s degree (BA/BA (Hons.)/B.Sc./B.Sc. (Hons.)/B.Com. (Hons.)/BBA/BE/B.Tech.): 50% or more (English) and 60%
Programme Description
The B.Ed. programme prepares teachers for Upper Primary or Middle Level (Class VI-VIII), Secondary Level (Class IX-X) and Senior Secondary Level (Class XI-XII). Since the programme is two years, it allows the time for student-teachers to become reflective practitioners. The course structure offers a comprehensive coverage of themes and rigorous field engagement with the child, school and community. It also includes special courses for enhancing professional capacities of the student-teachers. The unique aspect of this programme is that it stresses on the importance of imparting values-based education to students, resulting in their wholesome and balanced development.

Courses taught per Semester

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 1</strong></td>
<td><strong>Semester 3</strong></td>
</tr>
<tr>
<td>Childhood and Growing Up, Basics in Education, Technology of Teaching and Learning, Pedagogy of Teaching – Group I: (Any one of the following), (A) Pedagogy of English, (B) Pedagogy of Physical Science, Pedagogy of Teaching – Group II: (Any one of the following): (A) Pedagogy of Mathematics, (B) Pedagogy of Biological Science, (C) Pedagogy of Social Science, Critical Understanding of ICT, Psychological Testing, Internship Phase-I (3 weeks)</td>
<td>School Organization, Supervision and Administration, Knowledge and Curriculum, Reading and Reflecting on Text, Internship Phase-III (4 weeks)</td>
</tr>
<tr>
<td><strong>Semester 2</strong></td>
<td><strong>Semester 4</strong></td>
</tr>
<tr>
<td>Learning and Teaching, Contemporary India and Education, Assessment for Learning, Pedagogy of Teaching – Group I: (Any one of the following), (A) Pedagogy of English, (B) Pedagogy of Physical Science, Pedagogy of Teaching – Group II: (Any one of the following): (A) Pedagogy of Mathematics, (B) Pedagogy of Biological Science, (C) Pedagogy of Social Science, Language Across Curriculum, Internship Phase-II (8 weeks)</td>
<td>Education In Human Values: Peace Education, Creating an Inclusive School, Yoga Education, Gender, School and Society, Optional Course (Any one of: Guidance and Counseling, Environmental Education, Health and Physical Education), Community Work Drama and Art in Education, Internship Phase-IV (5 weeks) Final Practice Teaching: Practical in Two Pedagogies</td>
</tr>
</tbody>
</table>

Master of Education (M.Ed.)

Duration: 2 Years
For Women Candidates only

Eligibility Requirements
✓ 10+2 years of schooling, 3 years of university and 1 year of a B.Ed. degree (total 16 years) as recognized by SSSIHL
✓ Either passed or appeared for Final exams at Bachelor’s degree level before the date of Admissions Test
✓ Only Candidates with a B.Ed. degree (with 60% Aggregate) and 50% in General English at their Undergraduate degree are eligible to apply.
✓ The admissions test will comprehensively evaluate aptitude in General English and courses studied at the B.Ed. level.
✓ Age: preferably below 27 years as of 31st May in the year of admission

Programme Description
The M.Ed. programme focuses on the comprehensive and integrated professional development of teachers. Its purpose is to turn out fully equipped, professionally trained and deeply value-oriented teachers, teacher educators and other specialists. This professional course will help students to become teacher-educators and principals in schools, lecturers in colleges of Education, and teachers at the +2 level and degree colleges/universities. It also develops other skills such as independent study of literature, research, academic writing, professional communication and teamwork.
Courses taught per Semester

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Psychology of learning and development, History and political Economy, Education studies, Introduction to research methods, Communication and expository writing, Self-development</td>
<td>Statistical methods for data analysis, Educational planning, management and financing of education, Perspectives, Research and Issues in Teacher Education- Part-II, Information and communication Technology, Academic writing, Internship Phase-II, Dissertation-review</td>
</tr>
</tbody>
</table>

M.B.A.

Duration: 2 Years For Women and Men Candidates

Eligibility Requirements

- 10+2 years of schooling and 3 years of university (total 15 years) as recognized by SSSIHL
- Either passed or appeared for Final exams at Bachelor’s degree level before Admissions Test
- Bachelor’s degree: 50% or more (English) and 60% (Aggregate incl. English) or CGPA aggregate of 6 or more (10-point scale) / 3.5 or more (5-point scale) with 50% or more in English
  (If not appeared for Bachelor’s degree final exams, aggregate marks in all the preceding Years/Semesters put together marks will be considered)
- Master’s degree: 60% (Aggregate incl. English) or CGPA aggregate of 6 or more and 5 or more in English (10-point scale) with 50% or more in English at the Bachelor’s level
- Age: preferably below 27 years as of 31st May in the year of admission

Programme Description

The Management Programme has been structured in a balanced manner providing equal importance to the development of managerial skills and capabilities and the inculcation of healthy attitudes and values, thus enabling the student to grow into a proficient manager and a responsible member of society. It has four components. The Foundation Courses have special focus on universal human values and cover subjects such as: Self-Development, Values-based Management, Values-Centered Leadership, National Perspectives and Rural Development. The Core and Functional Courses cover concepts and techniques connected with functional management in Marketing, Operations, Finance, and Human Resources. The Integrative Courses cover subjects that span across the different functions and disciplines such as: Management Information Systems, Total Quality Management, and Management Strategies among others. Electives are offered in streams such as Marketing, Finance, Operations, Systems, Human Resources and International Business.

Courses taught per Semester

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 1</strong></td>
<td><strong>Semester 3</strong></td>
</tr>
<tr>
<td><strong>Semester 2</strong></td>
<td><strong>Semester 4</strong></td>
</tr>
</tbody>
</table>
M.Tech. in Computer Science

Duration: 2 Years
For Men Candidates only

Eligibility Requirements

✓ The candidate must have either passed or appeared for final exams of one of the following:
  a) M.Sc. in Mathematics or M.Sc. in Physics or M.Sc. in Computer Science or M.C.A., or
  b) B.E. in Computer Science / B.Tech. in Computer Science
✓ Candidates with a Bachelor's degree (B.E. / B.Tech.) in Computer Science, Computer Science and Engineering, Electronics & Communications Engineering (with Computer Science background*) and Information Technology (with Mathematics background) are eligible to apply.
✓ Bachelor's degree: 60% (Aggregate incl. English) or CGPA aggregate of 6 or more (10-point scale)
  (If not appeared B.E./B.Tech./M.Sc. final exams, aggregate marks in all the preceding Years/Semesters put together
  marks will be considered)
✓ Master's degree: 60% (Aggregate incl. English) or CGPA aggregate of 6 or more (10-point scale) with 50% or more in English
  at the Bachelor’s level
✓ Familiarity with the following is mandatory for admissions:
  **Mathematics**: Calculus of one and several variable, Sequence and Series, Linear Algebra and
  Matrix Theory, Differential equations and Laplace Transforms, Mathematical logic.
  **Computer Science**: Data Structures and Simple Algorithms, Computer Organization and
  Architecture, Data communications and Networks, Data base Systems, Languages Translators
✓ Age: preferably below 27 years as of 31st May in the year of admission

*Implies an adequate, formal training and qualification from a recognized institution or relevant Computer/IT industry/academic experience for a minimum period of 5 years

Programme Description

A masters programme for students with a background in science and engineering alike, the M.Tech. in Computer Science provides students the theoretical foundations of Computer Science as well as the practical knowledge regarding computer systems. This is achieved primarily through core theoretical courses. In the first year of study, students take software laboratory courses which assist in learning a variety of programming languages, operating environments, software packages, and development tools. Students can choose to specialize in different areas of computer science, such as Artificial intelligence, Software Systems and Hardware. A comprehensive Viva voce and project work in the second year prepares graduating students with the necessary knowledge and skills for the next stage of their career upon graduation.

Courses taught per Semester

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 1</strong></td>
<td><strong>Semester 3</strong></td>
</tr>
<tr>
<td>Design and Analysis of Algorithms, Operating Systems, Parallel Processing, two electives to be chosen from the streams of Intelligent Systems and Knowledge Engineering, Advanced Computer Networks, Human Computer Interaction, Theoretical Computer Science, Computer Systems, Multi Core and Parallel Computing, Software Engineering and Mathematical Methods in Computer Science, two courses in Software Lab, a seminar, a Departmental Colloquium and a Semester End Viva voce</td>
<td>Software Engineering, one elective to be chosen from the above mentioned streams and a Project Work Review</td>
</tr>
<tr>
<td><strong>Semester 2</strong></td>
<td><strong>Semester 4</strong></td>
</tr>
<tr>
<td>Theory of Computation, Compiler Design, Distributed Systems, two electives to be chosen from the streams of Intelligent Systems and Knowledge Engineering, Advanced Computer Networks, Human Computer Interaction, Theoretical Computer Science, Computer Systems, Multi Core and Parallel Computing, Software Engineering and Mathematical Methods in Computer Science, two courses in Software Lab, a seminar, a Departmental Colloquium and a Semester End Viva voce</td>
<td>Project work, Viva voce and Comprehensive Viva voce</td>
</tr>
</tbody>
</table>
**M.Tech. in Optoelectronics and Communications**

**Duration:** 2 Years  
**For:** Men Candidates only

**Eligibility Requirements**

- The candidate must have either passed or appeared for final exams of one of the following:
  - a) M.Sc. Physics, or
  - b) B.E./B.Tech. with background in Optics and Electromagnetic Theory
- Master’s degree: 60% (Aggregate incl. English) or CGPA aggregate of 6 or more (10-point scale)
- Candidates with a Bachelor’s degree in B.E. or B.Tech. (with background in Optics and Electromagnetic Theory) or a Master’s Degree in Physics are eligible to apply
- Age: preferably below 27 years as of 31st May in the year of admission

**Programme Description**

Optoelectronics has been deemed as the 21st century revolutionary technology that will create as enormous an impact as electronics did in the 20th century. This interdisciplinary M.Tech programme aims to generate trained professionals in the broad areas of optoelectronics and communications with an emphasis on networking technologies. One half of the courses are core ones and the other half are electives, that enable students to pursue areas that have their academic interest. The core courses give a strong background of science and engineering. These are supplemented with laboratory courses, enabling the students to take up project work in the second year. Graduates with training in optoelectronics and related communication technologies will be useful in industries and R&D organizations involved in the areas of Optoelectronics, telecommunication & networks.

**Courses taught per Semester**

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Semester 1</th>
<th>Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fiber Optic Components, Optical communication systems, Optoelectronics, two elective courses from the streams of Optoelectronics, Network and Communications and Open Electives, a Laboratory course in Optoelectronics and Software and a Viva voce</td>
<td>Digital Communication and Information System, Opto-Electronic sensors, Optical Networks, two elective courses from the streams of Optoelectronics, Network and Communications and Open Electives, a Laboratory course in Network and Software and Viva voce</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2</th>
<th>Semester 3</th>
<th>Semester 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Two elective courses from the streams of Optoelectronics, Network and Communications and Open Electives, a Comprehensive Viva voce and Project Interim Review</td>
<td>Project work and Viva voce</td>
<td></td>
</tr>
</tbody>
</table>
FILL IN AN APPLICATION FORM

There are two ways to fill in an application form:

1. **ONLINE** – visit: sssihl.edu.in

2. **PAPER** – Get a paper application form:
   - **By Hand** – pick up a paper application form
   - **By Post** – get a paper application form posted to you

### ONLINE APPLICATION

The **fastest, simplest and most secure way to apply** to SSSIHL is to visit the home page of the university’s website, sssihl.edu.in, click on the link for online application, and you will be guided step-by-step on how to fill in the form.

**Note**: It is mandatory that you have an email ID. If you do not have one yet, we suggest you create an online account with a popular service provider such as Google, Yahoo, Hotmail, etc. They are all free of charge.

Once completed, you will be able to view the filled-in application form in PDF format and save it on your computer. You must have Adobe Acrobat Reader installed on your computer to view the PDF.

**Important**: If you apply for more than one programme, you must fill in a separate form and enclose a separate DD/IPO etc. for each programme.

### PAPER APPLICATION (BY HAND)

If you choose to pick up the application form yourself (or have a friend pick it up on your behalf), kindly visit the Admissions Office located in the Administrative Building at SSSIHL, Prasanthi Nilayam.

The cost of the form is ₹100 and the amount can be paid in cash at the time of your visit.

### PAPER APPLICATION (BY POST)

To get the application form by post, please write to:

**The Admissions Office**
Administrative Building
Sri Sathya Sai Institute of Higher Learning
Prasanthi Nilayam – 515 134
Dist. Anantapur
Andhra Pradesh

**Note**: If you apply for more than one programme, you need to send separate written requests along with the below-mentioned DD/IPO.

You must send the following along with the written request for each application:

1. **Indian Postal Order (IPO) or Demand Draft (DD) for Rs.100/-**. The Bank draft should be drawn in favour of Sri Sathya Sai Institute of Higher Learning, payable at SBI, Prasanthi Nilayam/Puttaparthi.

2. Your name and complete postal address along with programmes for which application form is required should be clearly stated in BLOCK letters on the reverse of the IPO/DD and also in the requisition letter.

3. **Indication of which Undergraduate programme you would like to apply to**. Incorrect forms will be rejected.

4. **Complete postal address for correspondence** - Please indicate your complete address, clearly mentioned in your written request, so that we can post you the form and Admissions Handbook.

### DOCUMENTS CHECKLIST

Once you have filled in the paper application form in full – complete with signatures, self-attested photograph, etc. you will have to make sure that you collect all the supporting documents that are requested with the form before posting the application to SSSIHL.
Online applicants will be able to view their form in full in PDF format after they go through the online application portal and will be able to print the same.

**THE COMPLETE LIST OF SUPPORTING MATERIALS TO INCLUDE IS:**

1. **One additional passport-sized photograph**
   This is in addition to the one you have attested and stuck on the application form. On the reverse side of the photograph, please clearly write the following: Your name and applicant ID (online applications) or application number (paper applications)

2. **Statement of Marks**
   For Postgraduate / Professional Programme applicants:
   Self-attested photocopies of the Statement of Marks for X Std. issued by your Higher Secondary School Board
   Self-attested photocopies of the Statement of Marks for XII Std. issued by your Higher Secondary School Board
   Self-attested photocopies of the Statement of Marks (along with the final degree certificate) of all semesters/years issued by the authority (University/College/Institution) that 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 send final mark sheets for all the years preceding the final year. If your institution follows a semester system, please send exam mark sheets for all semesters preceding the final semester.

3. **Co-curricular Achievements**
   This is optional. If you have certificates that highlight your involvement in co-curricular (non-academic) activities, please include attested copies of these with your application for consideration.

**SUBMIT APPLICATION FORM WITH REQUIRED DOCUMENTS**

Once you are satisfied that you have completed all the necessary requirements for the application form and the supporting materials, you will now be in a position to post your application to the Admissions office of the university.

Please follow these **four steps** to ensure your application will be processed and not rejected:

1. **Staple** the filled application form with all supporting materials. Then, seal them in an A4-sized envelope. This is important so you do not fold the form and certificates attached.

   **Note: ONLINE APPLICANTS ONLY** - If you have chosen to pay online, kindly print and attach a copy of the electronic receipt. Otherwise, kindly send an Indian Postal Order (IPO) or Demand Draft (DD) for ₹100/- per application. The Bank draft should be drawn in favour of Sri Sathya Sai Institute of Higher Learning, payable at SBI, Prasanthi Nilayam/Puttaparthi.

   **IMPORTANT:** All Online applicants must send the printed copies of their completed application forms along with their mark sheets and payment to the Admissions Office by post or in person.

2. **Write the Applicant ID** (online applications) or **Application Number** (paper applications) and the course for which you have applied on the envelope that you are posting.

3. **Post the completed application** so that it reaches the university **BEFORE the application deadline: 10 March 2016.** On average, allow one week for applications posted within South India and two weeks for the rest of India. **Late Applications** reaching after this date will be rejected.

4. **It is compulsory that all applications** are posted either by Registered Post or via a courier service to the address provided below. Should you opt for a courier service, it is advisable that you check with them if they have an office or delivery service at Puttaparthi, Andhra Pradesh. Two examples include: DTDC or Professional Couriers, both of whom have offices at Puttaparthi.

   **The postal address to use is:**
   
   **The Admissions Office**
   Administrative Building
   Sri Sathya Sai Institute of Higher Learning
   Prasanthi Nilayam – 515 134
   Dist. Anantapur
   Andhra Pradesh

   **Tip:** Application forms can also be submitted in person at the admissions office at the Administrative Building of SSSIHL, Puttaparthi.

**AWAIT CONFIRMATION ON ELIGIBILITY FOR WRITTEN TEST**

Once the Admissions Office receives your application, it will be duly processed to make sure that you meet all the preliminary eligibility criteria and that all the supporting materials (including your application form) are accurate.

List of applicants whose forms have been accepted will be put on the website sssihl.edu.in on a weekly basis.

If you meet all these criteria, the university will write to you on the mailing address that you indicated in your application form. You will receive an Admissions Entrance Test card (Hall ticket). This will allow you to sit for the Admissions Entrance Test.

If you do not meet the criteria, you will also hear in writing from the university, stating that your application has been rejected.

The list of candidates called for the admissions test will be put on the university’s website by **31st March 2016**.

**Important:** Those candidates who have been called for admissions test but have not received the hall ticket, can collect the same, one day prior to their scheduled admissions test from the test centre.
If your application is successful—which means you have met the minimum eligibility criteria and submitted all the information to SSSIHL exactly as required—the Admissions Office will post you an Admissions Entrance Test Card. Once you receive this, you are required to travel to Prasanthi Nilayam, Puttaparthi (in Andhra Pradesh) to take your admissions test. If you clear the written test, you will have to attend an interview/group discussion. The interview is usually conducted on the very next day following the test.

**What about the ADMISSIONS TESTS SCHEDULE?**
Admissions Tests and interviews for 2016 entry will be held between 17-30 April 2016. You must arrive at least the day before your test. Refer to the Admissions Test schedule below for exact dates.

<table>
<thead>
<tr>
<th><strong>DATES &amp; DEADLINES</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Admission Test Results: Sun, 1 May 2016</td>
</tr>
<tr>
<td>Reporting date for selected candidates: Tue, 31 May 2016</td>
</tr>
<tr>
<td>Academic Year 2015/16 begins: Wed, 1 June 2016</td>
</tr>
</tbody>
</table>

**ADMISSIONS TEST AND INTERVIEW SCHEDULE FOR WOMEN**

**Professional Programmes**  
B.Ed. | M.Ed. | M.B.A.

<table>
<thead>
<tr>
<th>Programme</th>
<th>Test/Schedule</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>B.Ed.</td>
<td>Written Tests</td>
<td>Mon 18 April 2.00 P.M. – 5.00 P.M.</td>
</tr>
<tr>
<td>M.Ed.</td>
<td>Written Tests</td>
<td>Mon 18 April 2.00 P.M. – 4.00 P.M.</td>
</tr>
<tr>
<td>M.B.A.</td>
<td>Written Tests</td>
<td>Mon 18 April 9.00 A.M. – 11.15 A.M.</td>
</tr>
<tr>
<td></td>
<td>Group Discussions</td>
<td>Tue 19 April 9.00 A.M. onwards</td>
</tr>
<tr>
<td>All Programmes</td>
<td>Interviews</td>
<td>Wed 20 April</td>
</tr>
</tbody>
</table>

**ADMISSIONS TEST AND INTERVIEW SCHEDULE FOR MEN**

**Professional Programmes**  
M.B.A. | M.Tech. in Computer Science | M.Tech. in Optoelectronics and Communications

<table>
<thead>
<tr>
<th>Programme</th>
<th>Test/Schedule</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>M.B.A.</td>
<td>Written Tests</td>
<td>Sun 24 April 10.30 A.M. – 12.45 P.M.</td>
</tr>
<tr>
<td></td>
<td>Group Discussions</td>
<td>Mon 25 April 9.00 A.M. onwards</td>
</tr>
<tr>
<td></td>
<td>Interviews</td>
<td>Tue 26 April, Wed 27 April and Thu 28 April</td>
</tr>
<tr>
<td>M.Tech. in Computer Science</td>
<td>Written Tests</td>
<td>Tue 26 April 9.00 A.M. – 12.00 noon</td>
</tr>
<tr>
<td></td>
<td>Oral / Practical Tests</td>
<td>Wed 27 April 9.00 A.M. onwards</td>
</tr>
<tr>
<td></td>
<td>Interviews</td>
<td>Thu 28 April</td>
</tr>
<tr>
<td>M.Tech. in Optoelectronics and Communications</td>
<td>Written Tests</td>
<td>Wed 27 April 9.00 A.M. – 12.00 noon</td>
</tr>
<tr>
<td></td>
<td>Subject Vivas</td>
<td>Thu 28 April 9.00 A.M. onwards</td>
</tr>
<tr>
<td></td>
<td>Interviews</td>
<td>Fri 29 April</td>
</tr>
</tbody>
</table>
WHAT DO I DO ON THE MORNING OF THE ADMISSIONS TEST?

All admissions tests will be held at the Prasanthi Nilayam Campus of the university. The building is located 200 meters from the Ganesh Gate of the ashram. (Take a right once you exit the ashram and walk past the bus stand, the police station and the shops. The college building will be on your left). It is a five minutes walk.

You are required to report to the premises 45 minutes prior to your scheduled test time. For example, if your test begins at 9 a.m., reach the college building at 8:15 a.m.

When you reach the main entrance of the building, various instructions and announcements pertaining to the tests, interviews etc. will be displayed on the notice board at the entrance of the college building.

Do I need to bring anything with me to the Entrance Test?

All candidates need to bring:
1. Two HB pencils
2. An eraser and sharpener for the admissions test.
3. A pen (preferably blue ink).

Electronic Calculators are strictly NOT allowed.

MULTIPLE-CHOICE BASED EVALUATION

The admissions tests are largely objective multiple-choice questions that are evaluated by an Optical Mark Recognition (OMR) system. The OMR system is foolproof and 100% accuracy is guaranteed during evaluation. **Negative marks are awarded for every incorrect answer.** This is usually 25% of the total marks allocated for that particular question.

THE RESPONSE SHEET

The Response Sheet (see sample below) is a paper OMR sheet that contains checkbox bubbles which can be recognized by OMR software for automatically capturing your responses to multiple choice responses. This is how you will be evaluated.

Candidates are required to accurately write the following details on the Response Sheet:
› Applicant ID
› Question Paper Code No.
› Room Number
› Test Date

WHAT ABOUT THE INTERVIEW?

Only candidates who pass the written test will be invited for an interview. Candidates are shortlisted for an interview on the basis of their performance in General English and the total aggregate of other tests, both of which have a minimum cut-off point.

The interview process evaluates the suitability of the candidates keeping in view the unique requirements of the fully residential, values-based system of education at SSSIHL.

The interview is usually conducted on the very next day following the written test.

Admission Test results are published on the same day of the test (late evening/night) or early morning of the following day.

They will be posted on notice boards at the following two places:
1. **Opposite the Accommodation Office in the ashram**
2. **Prasanthi Nilayam Campus**

The above notice will also contain details regarding the date and the time of Interviews.

If you are selected for the interview stage, you will be required to spend more time at Prasanthi Nilayam.

**HOW DO I REACH PRASANTHI NILAYAM?**

Prasanthi Nilayam is the name of the ashram established by Bhagawan Sri Sathya Sai Baba. It is also the name of the main campus of Sri Sathya Sai Institute of Higher Learning. It is located in Puttaparthi, in the district of Anantapur, Andhra Pradesh.

**By train:**
Prasanthi Nilayam has a railway station by the name Sri Sathya Sai Prasanthi Nilayam (station code: SSPN). The campus and ashram are located at about 10 km from the railway station. Several trains come directly to Sri Sathya Sai Prasanthi Nilayam. Auto rickshaws will charge around Rs. 80 for a one-way fare to the main entrance of the ashram. Alternatively, you can reach Puttaparthi by taking a train to the Dharmavaram Junction (station code: DMM). Dharmavaram is about 40 km from Puttaparthi and is on the Guntakal-Bangalore section of the South-Central Railway.

Those alighting at Dharmavaram Railway Station may board direct buses from the railway station to Prasanthi Nilayam. If direct buses are not available from the station, you can take an auto rickshaw to the Dharmavaram Bus Stand, from where buses to Puttaparthi are available for a nominal charge. Private taxis and vans may also be available in the vicinity of the Dharmavaram Bus Stand.

A computerized Railway Reservation facility is available at the Puttaparthi bus stand for those who wish to book return tickets.

**By bus:**
Puttaparthi may be reached directly by bus from Chennai, Bangalore, Hyderabad, and major towns of Andhra Pradesh. Buses alight at the Puttaparthi Bus Stand which is conveniently located directly opposite to the entrance gate of the ashram.

**By car:**
Puttaparthi is located off National Highway (NH) 7, which connects Bangalore to Hyderabad. Look out for signs to Puttaparthi or visit Google Maps for point-to-point directions.

**By flight:**
The nearest airport to Puttaparthi is Bangalore International airport. Once you exit the terminal building, you can negotiate a taxi to take you to Puttaparthi. On average, expect to pay ₹1800 to ₹2000 for a one-way taxi fare. It takes less than three hours to reach Puttaparthi from Bangalore airport.

**When should I arrive?**
We strongly recommend that you arrive in Prasanthi Nilayam the day prior to the Written Test.

To ensure that you get accommodation in the ashram, we strongly suggest that you arrange your travel plans so that you arrive at the ashram accommodation office before 8 p.m. (latest) on the day of your arrival.

**How can I get accommodation?**
The entrance of the ashram (Ganesh Gate) is located opposite the bus stand. Following a brief security check (of your luggage), you may proceed directly to the accommodation office. For any help or directions, just ask a sevadal (women or men volunteers with yellow or blue scarves) to assist you.

**Accommodation**
All candidates (and their accompanying parents/wards) visiting Prasanthi Nilayam for entrance tests will be provided accommodation at nominal prices inside the ashram. However, it is mandatory that you have your Admission Test Entrance card at hand and produce it to the Accommodation Officer on arrival.

The accommodation office is located inside the ashram opposite the South Indian canteen and is open from 6:15 a.m. to 8 p.m. everyday. You cannot get accommodation in the ashram outside of these hours. Entry to the Ashram – via car or by foot (Ganesh Gate) is between 4 a.m. and 9:30 p.m., everyday.
Candidates can refer to the various syllabi, depending on the course they have applied for, as indicated in their application forms.

There will be negative marking for all multiple choice questions.

**B.Ed. (BACHELOR OF EDUCATION)**

Admission to B.Ed. programme of the Institute will be based on the performance in admission test and interview.

**QUESTION PAPER FORMAT:**

The B.Ed. question papers contains two parts viz., Part-A and Part-B.

**Part-A: English and Situational Analysis Test:**

This will consist of two sub-tests of 75 minutes duration and for 75 marks.

- **Part-A(i): General English – 50 marks - 50 minutes:** This sub-test is designed to test the candidate's knowledge and command over the English language.

- **Part-A(ii): Situation Analysis - 35 marks - 40 minutes:** The purpose of this sub-test is to assess the candidate's ability to analyse a given situation in all its implications and her capacity to respond to different problems and value issues raised.

**Part-B: Subject Test:**

Candidates have to choose any one of the following subjects studied in the qualifying degree.

- Mathematics
- Physical Science
- Biological Science
- Social Science

The test will be of 100 minutes duration of objective-type questions for 100 marks. This test is designed to assess and evaluate candidate's knowledge in teaching methodology (pedagogy).

**M.Ed. (MASTER OF EDUCATION)**

Admission to M.Ed. programme of the Institute will be based on the performance in admission test and interview.

**QUESTION PAPER FORMAT:** There will be two papers which are compulsory viz., Paper-I – General English of 50 marks for one hour duration, and Paper-II – related to B.Ed curriculum consisting of objective questions of 100 marks for 1½ hours duration. Total duration of the test is 2 and ½ hours with 150 marks.

**Syllabus:**

- **Paper-I: General English (One hour) – 50 marks.
- Paper-II: Education (One and half hours) – 100 marks.
- Philosophical & Sociological foundations of Education (20 marks)
- Psychological foundations of Education (20 marks)
- Educational Technology (20 marks)
- School Administration, Planning & Management (20 marks)
- Educational Evaluation & Elementary Statistics (20 marks)**

**M.B.A.**

Admission to M.B.A Programme of the Institute will be based on performance in the Admission Test, Group Discussion and Interview.

**QUESTION PAPER FORMAT:**

There will be three written tests of 3 hours total duration. They would be of a pattern similar to CAT, GMAT and MAT. The details of various tests are as follows:

- **English:** This test is designed to test the candidate's command over English and Grammar, his vocabulary, and his ability to use words and phrases effectively. This test is also designed to test the ability of the candidate to read and rapidly digest literature, his ability to extract qualitative and quantitative information, and his ability to communicate precisely.

- **Quantitative Analysis & Logical Reasoning:** This test is intended to assess the candidate's ability to handle quantitative information with speed and accuracy. This test is also designed to determine the candidate's ability to draw valid inferences from available information, using logical reasoning and simple mathematical formulae.

- **Management Aptitude:** The purpose of this test is to assess the candidate's aptitude for Management profession and his ability to comprehend facts, and analyze given situation. The purpose of this test is also to assess the awareness of the candidate pertaining to national and international issues.

**NOTE:** The Institute reserves the right to allocate successful candidates of these two courses as it deems fit, notwithstanding the preference indicated by the applicant.

**Reference Books:** Standard books used for CAT/MAT/GMAT Entrance Examinations.

**ADMISSIONS TEST AND RESPONSE SHEET**

- Each candidate will have to answer the following Tests:

<table>
<thead>
<tr>
<th>Sub-test I</th>
<th>English</th>
<th>60 questions</th>
<th>1 hour</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sub-test II:</td>
<td>Quantitative Analysis &amp; Logical Reasoning</td>
<td>30 questions</td>
<td>45 min.</td>
</tr>
<tr>
<td>Sub-test III:</td>
<td>Aptitude Test</td>
<td>30 questions</td>
<td>30 min.</td>
</tr>
<tr>
<td>Written English</td>
<td>A short write upon a specific theme</td>
<td></td>
<td>15 min.</td>
</tr>
</tbody>
</table>

The university uses an Optical Mark Recognition (OMR) system for evaluation. A sample OMR response sheet is exhibited on the reverse of this sheet to ensure that the candidate is familiar with it.

**IMPORTANT:** The candidate needs to carry two HB pencils along with an eraser and sharpener for the admission test. The candidate is also required to carry a pen (preferably blue ink).

The points to be noted with regard to use of the OMR response...
NOTE: Calculators, mobile phones, digital devices will not be allowed.

**M.Tech. in COMPUTER SCIENCE**

Each candidate will have to answer the following Tests:

<table>
<thead>
<tr>
<th>Part A</th>
<th>80 Objective type items</th>
<th>80 Marks (80 min.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part B</td>
<td>9 Short Answer type Questions</td>
<td>40 Marks (40 min.)</td>
</tr>
<tr>
<td>Total Marks: 120</td>
<td>Total Duration: 120 min.</td>
<td></td>
</tr>
</tbody>
</table>

You will be given TWO sets of question papers, titled, PART-A & PART-B as per schedule.

Write your Applicant ID No, Room No, Date, Subject Title, and Subject Code on both the booklets only in the space provided for it.

PART-A will be given first. It contains 80 objective type items of one mark each. You must enter your answers in the Response Sheet provided. Please note multiple shading will be considered as wrong answer.

PART-B contains 9 short answer questions for a total of 40 marks. Part-B is to be answered within the space provided for in the question paper itself.

The university uses an Optical Mark Recognition (OMR) system for evaluation. A sample OMR response sheet is exhibited on the reverse of this sheet to ensure that the candidate is familiar with it.

IMPORTANT: The candidate needs to carry two HB pencils along with an eraser and sharpeners for the admission test. The candidate is also required to carry a pen (preferably blue ink).

The points to be noted with regard to use of the OMR response sheet are elucidated below:

(a) You are required to write your (i) Applicant Id and (ii) Question Paper Code no. and SHADE THE NUMERALS appropriately in the space provided on the RESPONSE SHEET. You are also required to write the (iii) Room number and (iv) Test Date in the space provided separately.

(b) The correct answer, chosen from the Question Paper, should be SHADED ON THE RESPONSE SHEET viz., A, B, C, D or E. The method of shading the correct response is given in the enclosed sample copy.

NOTE: Calculators, mobile phones, digital devices will not be permitted in the examination hall.

**QUESTION PAPER FORMAT**

**General English Aptitude Test**: 20 marks- ½ hour- essay type questions- to test English language and communication skills

**Written Test**: 120 Marks- 2 hours- Computer Science (67%) and Mathematics (33%)- two parts:
- Part A- 80 marks- 60 multiple choice questions of Computer Science- 20 multiple choice questions of Mathematics
- Part B- 8 x 5 = 40 marks- 4 short answer type questions of Computer Science- 4 short answer type questions of Mathematics

**Practical Programming Skills Test** (subject to qualification in written test)- 80 Marks- 2 ½ hours- to test the proficiency in designing, coding and debugging abilities in C language- the coding language will be in Linux platform

**Technical Viva-Voce** (subject to qualification in first two components): 30 Marks- to test the comprehension of basics and analytical abilities

**Final Interview**: An Interview will be conducted for candidates who qualify in the Practical and Viva-voce for final selection.

The syllabi for the above written tests are as follows:

**COMPUTER SCIENCE**

The subjects to be covered under this area are: Data Structures & Algorithms, Computer Organization and Architecture, Data Communication and Networks, Database Systems, Operating system and System programming, and C, C++, & Java programming concepts.


**Data Communication and Networks**: packet/circuit switching, loss, delay, throughput in a network, protocol layers, OSI & TCP/IP, HTTP/FTP, Electronic mail, DNS, Client server vs P2P architecture, Transport-layer Multiplexing and demultiplexing, sliding window protocols, TCP & UDP protocols, Principles of reliable data transfer, congestion control, Virtual circuit and datagram networks, IPv4, IPv6, Routing algorithms, Multiple access protocols, Error correction-detection, Wireless and Mobile Networks, GSM,CDMA, 802.11 standard, handling mobility in cellular networks, basics of physical layer


**Operating Systems and System Programming**: The concept of a process, operations on processes, process states, concurrent processes, process control block, process context, Job and processor scheduling, scheduling algorithms, Problems of concurrent processes, critical sections, mutual exclusion, synchronization, deadlock, Memory organization and management, storage allocation. Virtual memory concepts, paging and segmentation, File organization: blocking and buffering, file descriptor, directory structure, Basics of assemblers, Macro preprocessors and compilers.

**Object Oriented Programming Concepts**: Principles of Object Oriented Programming, Classes, objects, constructors and destructors, Operator overloading, Type conversions, Type of constructors, Function over loading, Inheritance, Polymorphism, File stream – File operators.

**Calculus of One and Several Variables**: Limit, continuity, differentiation and integration of functions of one and more variables. Directional derivative and gradient of a function.

**MATHEMATICS**

The subjects to be covered are: ODE, Discrete Mathematics, Linear Algebra, Probability and Statistics and Basic Calculus

**Linear Algebra**: vector spaces, subspaces, basis, linear transformation, matrix of linear transformations, system of linear equations and their solutions using Gaussian elimination method, Eigen values and Eigen vectors, diagonalization of a linear transformation.

**Discrete Mathematics**: Set theory, Mathematical logic, Relations and functions, Trees and Graphs.

**Probability and Statistics**: random variables, discrete and continuous distributions including Bernoulli, binomial, uniform, Poisson, exponential, hyper-geometric distributions, expectation, moments, central limit theorem, law of large numbers, random sample, sample mean, sample variance, mean, median and mode.
M.Tech. in OPTOELECTRONICS AND COMMUNICATIONS

Question Paper Format:
General English Aptitude Test- 20 marks- ½ hour - essay type question- to test English language written communication skills
Written Test- 100 Marks- 3 hours- short answer and problem solving type questions
Technical Viva-Voce
Final Interview

Written Test: Duration of the test will be 3 hours and it will contain multiple choice, short answer and problem solving type questions.

Common for B.E. / B.Tech. / M.Sc. in Physics

General English Aptitude Test: This will consist of an essay type question to test English language written communication skills. The test will be for half an hour with allocation of 20 marks.

Calculus: Limit, continuity and differentiability; Hospital rule, Maxima and minima, Taylor’s series, Evaluation integrals, Lagrange multipliers, Power series, Fourier series.

Complex variable: Analytic functions, Taylor’s and Laurent’s series, Residue theorem, Cauchy’s theorem.
Vector Calculus: Gradient, Divergence and Curl, Line, surface and volume integrals, Stokes, Gauss and Green’s theorems.

Ordinary and Partial Differential Equations: ODEs with constant coefficients, variation of parameters, Initial and boundary value problems (BVPs), Power Series solutions, Legendre, Hermite and Bessel’s functions, Variables separable method, Solutions heat, wave and Laplace equations.


For B. E. / B. Tech Applicants only

Networks: Network graphs; matrices of graphs; Solution methods, Nodal and mesh analysis, Network theorems, Thvenin’s and Norton’s, Wye-Delta transformation. Steady state analysis, Time and Frequency domain analysis, Solution using Laplace transform, 2port network parameters: transfer functions and state equations.

Electronics Devices: Energy bands, Carrier transport, diffusion, drift, mobility, resistivity, Diodes; p-n junction, Zener, BJTs, FETS, JFETS, MOSFETS, PIN and Avalanche; LEDs, LASERS,
Analog Circuits: Equivalent circuits of diodes, BJTs, JFETS, and MOSFETs. Simple diode circuits, Single-and multi-stages, differential, operational, feedback and power amplifiers, Frequency response of amplifiers; Op-amp circuits, Filters, Oscillators.

Digital Circuits: Boolean algebra, logic gates, Digital IC families (DTL, TTL, ECL, CMOS, CMO), Combinational circuits, arithmetic circuits, code converters, multiplexers and decoders. Latches and flip-flops, counters and shift-registers. Sample and hold circuits, ADCs, DACs, Memories, Microprocessor (8085): architecture, programming, memory and I/O interfacing.


Control Systems: Feedback, transfer function; steady-state errors; Stability criteria; Bode plots, Elementary state variable formulation; Transition matrix and response for LTI systems. Onoff, cascade, P, PI, PID and feed-forward controls. Controller tuning and general frequency response.

Communications: Analog systems: modulation and demodulation systems, spectral analysis, superheterodyne receivers; hardware, realizations of analog communication systems; signal-to-noise ratio (SNR) AM, FM, Digital systems: PCM, DPCM, DM, ASK, PSK, FSK; matched filter receivers, bandwidth consideration and probability of error calculations for these schemes.

Electromagnetics: Maxwell’s equations, Wave equation, Pointing vector. Plane waves: propagation, reflection and refraction; phase and group velocity; skin depth; Transmission lines: characteristic impedance; impedance transformation; Smith chart; Waveguides: modes in rectangular waveguides; boundary conditions; cut-off frequencies; dispersion relations. Antennas: Dipole antennas; antenna arrays; radiation pattern; reciprocity theorem, antenna gain.

For M.Sc. In Physics Applicants only

Classical Mechanics: Lagrange’s and Hamilton’s formalisms; Equation of motion, Poisson bracket; small oscillations, normal modes: wave equation; Special theory of relativity – Lorentz transformations, relativistic kinematics, mass-energy equivalence.

Electromagnetic Theory: Laplace and Poisson equations; conductors and dielectrics; boundary value problems; Ampere’s and Biot-Savart’s laws; Faraday’s law; Maxwell’s equations; boundary conditions; electromagnetic waves; radiation from moving charges.

Quantum Mechanics: Schrodinger equation; Bound state problems, hydrogen atom; angular momentum and spin; addition of angular momentum; matrix formulation, time independent perturbation theory; elementary scattering theory.

Atomic and Molecular Physics: Spectra of one-and-many-electron atoms; LS and jj coupling; Zeeman and Stark effects; X-ray spectra; rotational and vibrational spectra of diatomic molecules; electronic transition in diatomic molecules, Franck-Condon principle; Raman effect; NMR and ESR;
Thermodynamics and Statistical Physics: Laws of thermodynamics; calculation of thermodynamic quantities; microstates, macrostates, phase space; partition function, free energy, classical and quantum statistics; Fermi gas; Black body radiation; Bose-Einstein condensation; first and second order phase transitions, critical point.

Solid State Physics: Elements of X-ray crystallography; structure determination; bonding, elastic properties, defects, lattice vibrations and thermal properties, free electron theory; band theory of solids; metals, semiconductors and insulators; transport properties; optical, dielectric and magnetic properties of solids; elements of superconductivity.

Nuclear and Particle Physics: Rutherford scattering; basic properties of nuclei; radioactive decay; nuclear forces; two nucleon problem; nuclear reactions; conservation laws; fission and fusion; nuclear models; particle accelerators, detectors; elementary particles; photons, baryons, mesons and leptons; Quark model.

Electronics: Network analysis; semiconductor devices; bipolar transistors; FETS; power supplies, amplifier, oscillators; operational amplifiers; elements of digital electronics; logic circuits.
WAIT FOR RESULTS / FINAL DECISION

After all the admissions tests and interviews are completed in April, final decisions about admissions will be made and posted on the university website (sssihl.edu.in) on the day following the completion of tests and interviews for that particular programme. By 1 May 2016, all results will be posted on the website.

Additionally, provisional list of selected candidates will also be put up at the Ashram (opposite the Accommodation office).

In addition, a selection letter will be sent to all selected candidates. Along with the letter, related information will also be included.

JOIN THE UNIVERSITY!

Congratulations! If you made it to this stage, you have got a place to study at Sri Sathya Sai Institute of Higher Learning. We look forward to welcoming you at one of our campuses.

The Academic Year 2016/17 commences on 1 June 2016.

LIST OF DOCUMENTATION TO BE SUBMITTED UPON ADMISSION

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

POSTGRADUATE AND PROFESSIONAL PROGRAMMES

› Original Marks Certificate of your college / university degree. If your final year results are not yet published, you should submit the original marks certificate of you previous degree / XII Standard.
› Transfer Certificate
› Conduct Certificate

HOW DO I CONTACT THE ADMISSIONS OFFICE IF I NEED FURTHER HELP?

The Admissions pages of the website (http://sssihl.edu.in/sssuniversity/Admissions.aspx) are designed to make sure that candidates have all the information that they require to successfully apply to SSSIHL.

You may refer to the Application Guide to get all the information you need for getting and filling an application form completely, supporting documentation and materials, and related information about test dates, schedules and how to find out about the progress of your application. We even have a dedicated Related Downloads page to further assist you.

The Application Guide will give you the answers to most, if not all, queries that you may have for admissions.

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

By Email:
› For admissions related queries, please email: admissions@sssihl.edu.in
› For online applications related queries, please email: onlineadmissions@sssihl.edu.in

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

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

+91 9441 911 391

The above numbers are for admissions related queries only between 9 a.m. and 5 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!
Dear Students!

Be like the star which never wavers from the crescent; but is fixed in steady faith. When the sun is over your head, there will be no shadow; so too when faith is steady in your heart, it should not cast any shadow of doubt.

Do not talk ill of others; talk only of the good in them, all are good; if you see bad in them, it is because there is some me, do not mix with him.

Grace in the sunlight which will ripen the fruit; Radhama earth, both are needed by the yield fruit.
The postal address to use for all communication is:

**The Admissions Office**
Administrative Building
Sri Sathya Sai Institute of Higher Learning
Prasanthi Nilayam – 515 134
Dist. Anantapur
Andhra Pradesh

Web: sssihi.edu.in
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Email (Online applicants): onlineadmissions@sssihi.edu.in
Tel: +91 9441 911 391
The end of education is character
SRI SATHYA SAI BABA