1991-92
PROSPECTUS FOR ENTRY IN OCTOBER 1991

HKUST
THE HONG KONG UNIVERSITY OF SCIENCE AND TECHNOLOGY
香港科技大学
Principal Officers of the University

The Chancellor: His Excellency Sir David WILSON, KCMG.
The Chairman of the Council: Sir Sze-yuen CHUNG, GBE, PhD, FEng, JP.
The Vice-Chairman of the Council: The Honourable CHENG Hon-kwan, OBE, JP.
The Treasurer of the Council: The Honourable LAU Wah-sum, JP.
The Vice-Chancellor and President: Professor Chia-Wei WOO, BS, MA, PhD.

Prospectus for entry in October 1991

This Prospectus is published for the guidance of students who wish to enter the University in October 1991. The information in the publication is correct at the time of going to press but all matters contained in the Prospectus are subject to change from time to time both before and after admission. The University reserves the right in every case at its discretion and for any reason to alter or not to offer courses or parts of courses. The Prospectus does not form any part of a contract between any person and the University.

An Undergraduate Prospectus in Chinese will be produced at a later date and will be available on request.

All enquiries should be addressed to:
The Director of Admissions
The Hong Kong University of Science and Technology
Rm 19, 5/F, World Shipping Centre
7 Canton Road
Kowloon
Hong Kong

Telephone: 302 1500
Facsimile: 736 3899
Dear Applicants,

On 8 November 1989, the Prince of Wales came out to Clear Water Bay Peninsula to lay the foundation stone for the Hong Kong University of Science and Technology. Over 500 young students, representatives from secondary schools throughout the Territory, took part in this memorable event. A new university was to be built, dedicated to the education of Hong Kong’s future leaders, and to the economic development of the Territory.

Why did we invite these young guests to participate in the ceremony? Our sole aim was to inform you, the young people of Hong Kong, that this University is built for you and you alone.

Now that we are approaching the day when the first classes will be held on our magnificent campus, we have more to say to our young friends.

The purpose of this Prospectus, then, is to inform you and your parents about the programmes offered by our different Schools and Departments, what kinds of students we are looking for, how our courses will be taught and the campus activities in which you may wish to participate.

If you are curious about a wide range of topics, capable of hard work, compassionate, and enthusiastic about life in general, you will find the challenges you are looking for at HKUST.

The first intake of students will blaze an exciting new trail for others to follow. As HKUST graduates, you will become cultured individuals endowed with specific knowledge relevant to the Territory’s economic well-being. With your hands on the present and your eyes on the future, you will build a better tomorrow for yourselves and for all of us—the people of Hong Kong.

Chia-Wei WOO
Vice-Chancellor and President
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The objects of the University are—

(a) to advance learning and knowledge through teaching and research, particularly—

(i) in science, technology, engineering, management and business studies; and

(ii) at the postgraduate level; and

(b) to assist in the economic and social development of Hong Kong.”

~ The University Ordinance

The Hong Kong University of Science and Technology (HKUST) was incorporated in April 1988. It was intended to be established as a world-class technological research university dedicated to the advancement and dissemination of learning and to research scholarship. Its graduates will be men and women of mature judgement and generous spirit who will contribute to Hong Kong’s economic and social well-being and promote research, development, and entrepreneurship in the Asian Pacific region.

To accomplish these goals, HKUST will place emphasis on teaching—the dissemination of knowledge, on research—the creation of knowledge, and on service—the application of knowledge.

The University comprises the School of Science, the School of Engineering, the School of Business and Management, and the School of Humanities and Social Science. The first three Schools offer first degree undergraduate courses through to the doctorate while the School of Humanities and Social Science will offer only advanced studies leading to postgraduate degrees up to doctorate level in the humanities and social sciences. At the undergraduate level, the School of Humanities and Social Science will provide supporting studies in the humanities and social sciences and in English communication skills to students in the other three Schools.

Several Research Institutes have been established to promote interdisciplinary research and collaboration among the different Schools and Departments. The Technology Transfer Centre will facilitate partnerships between the University and the private and public sectors.

Extensive interaction with industry at the undergraduate and postgraduate levels will be developed.

The medium of instruction will be English.
The Campus

The campus occupies a 60-hectare site of sweeping beauty on the northern end of Clear Water Bay Peninsula at Tai Po Tsai. Situated on the slopes along the shore, the campus grounds are terraced to afford buildings on all levels with unobstructed panoramic views of the sea, looking east and northeast toward Port Shelter and the Sai Kung area. The main academic complex is situated on the highest level of the slope, while student residential halls, outdoor sports facilities, and other student amenities are close to the water and the natural marina.

The Royal Hong Kong Jockey Club has generously donated a total of HK$1.926 billion towards the capital construction costs, and is also responsible for managing the overall construction project.

The campus is being built in three phases. Current plans anticipate the completion of Phase I construction in 1991, with a capacity of 2,000 full-time equivalent (FTE) undergraduate and postgraduate students. Phase II, for about 7,000 FTE students, will be completed by 1993. With the scheduled completion of Phase III in 1996, the University will be able to accommodate a student body of 10,000 FTE students.

The Academic Staff

The University has been recruiting worldwide for academic staff who have achieved excellence in their respective fields and are highly respected by their peers. They include both established and promising scholars who have demonstrated a high degree of professional competence. They have broad intellectual interests, and are expected to work collaboratively with colleagues in other fields and interact with professionals in industry, commerce and the public services. They care about the people and the future of Hong Kong. Most importantly, they care about their students.

The University plans to begin instruction in 1991 with over 100 academic staff, a large percentage of whom will be in senior positions. Eventually, the academic staff will grow to more than 900 members before the turn of the century.

The Students

The University seeks highly qualified and motivated young men and women who have wide interests and have received a well-rounded broad-based secondary education. They should be active participants rather than spectators in diverse activities. They should possess great potential, in addition to having achieved good grades.

The University's goal is to engage its students in a continuous dialogue, to challenge them intellectually, and to encourage them to think on their own and to learn how to learn. Thus the University's graduates will become competent professionals, innovative leaders in their fields, adaptable and versatile generalists, and sensitive, caring citizens.

Projected Student Numbers

According to current projections, the University will admit 560 undergraduate and 140 postgraduate students in 1991. When fully established it is projected that the University will admit annually approximately 2,750 undergraduate and 700 postgraduate students to the four Schools.
Undergraduate Programmes

The Schools of Science, Engineering, and Business and Management will offer undergraduate first-degree courses and postgraduate degree programmes through to the doctorate in each of their Departments. As the University is being constructed in phases, the Schools will introduce degree programmes in their respective Departments over a period of three years. The School of Humanities and Social Science will offer postgraduate degree programmes; it will also offer supporting studies for all undergraduates in the other three Schools.

Based on current planning, the following first-degree courses will be offered in the years indicated:

**School of Science**
- Bachelor of Science (BSc) (3 years)
  - Biochemistry (1991)
  - Biology (1991)
  - Chemistry (1991)
  - Mathematics (1991)
  - Physics (1991)

**School of Engineering**
- Bachelor of Engineering (BEng) (3 years)
  - Computer Science (1991)
  - Electrical and Electronic Engineering (1991)
  - Civil and Structural Engineering (1992)
  - Mechanical Engineering (1992)
  - Chemical Engineering (1993)
  - Industrial and Manufacturing Engineering (1993)

**School of Business and Management**
- Bachelor of Business Administration (BBA) (3 years)
- Bachelor of Science (BSc) (3 years)
  - Accounting (1991)
  - Economics (1991)
  - Finance (1991)
  - Business Information Systems (1992)
  - Management (1992)
  - Marketing (1992)

There will also be joint degrees offered by collaborative agreements between Departments and Schools. For details regarding the various Departments, please refer to appropriate sections of this Prospectus.

Undergraduate Course Structure

The undergraduate courses offered by the University will involve students attending full-time for three academic years. The University curriculum will be founded on a credit-based modular system. In keeping with the University’s policy of providing specialist training with a generalist outlook, undergraduates will take no more than two-thirds of their credits in their chosen Schools. In addition, students are required to take at least 12% of their subjects in the School of Humanities and Social Science. The remaining credits will be spread over subjects offered by Departments in other Schools. For graduation purposes students will need to accumulate a total of 100-105 course credits.

The quality of work completed is recognised by the assignment of grades where:
- Grade A is given for excellent work,
- Grade B is given for work of distinctly above average quality,
- Grade C is given for work of average quality, and
- Grade D is given for work of below average quality.

All students are expected to attend classes regularly and to be responsible for the completion of assigned work.

Postgraduate Programmes

The University will offer postgraduate studies leading to master’s and doctoral degrees in three Schools in the same years as indicated in the previous section for undergraduate studies, except for the Department of Civil and Structural Engineering and the Department of Mechanical Engineering, which will offer postgraduate studies in 1991. In addition, the School of Humanities and Social Science will offer postgraduate degree programmes in 1991.

Please refer to the Postgraduate Prospectus for further details.
II. UNIVERSITY ENTRANCE REQUIREMENTS

To qualify for admission to the University, applicants must:

(a) normally be at least 17 years of age by the first day of the academic year to which they are seeking admission;

(b) meet the general entrance requirements of the University and the requirements of the particular course or courses for which they are applying; and

(c) apply on the prescribed form before the application deadline.

Known ignorance is strength. Ignoring knowledge is sickness.

~ Lao Tzu

General Entrance Requirements

To satisfy the general entrance requirements of the University an applicant is required to obtain:

(a) passes in at least seven subjects in the Hong Kong Certificate of Education Examination at the first and second attempts, with passes in at least five of these subjects at a single sitting, and

i) three of these subjects must be Mathematics, English Language, and a second language, either Chinese or an alternative language,

ii) English Language (Syllabus B) must have been obtained at grade D or above, or equivalent, and at least two subjects must have been obtained at grade C or above; and

(b) passes in at least three subjects in the Hong Kong Advanced Level Examination; and

(c) a pass at Grade D or above in the Use of English Examination.

General Entrance Requirement Equivalents

Alternatively the general entrance requirements may be satisfied by obtaining one of the following qualifications:

(a) the General Certificate of Secondary Education, or the General Certificate of Education, with passes in at least seven subjects at the Ordinary Level including Mathematics, English Language, and a language other than English, and at least three subjects at the Advanced Level (or two Advanced Supplementary passes regarded as the equivalent of one Advanced Level pass);

(b) a degree awarded after examination by a university or other institution recognised by this University;
University Entrance Requirements

(c) a professional diploma, higher diploma, higher certificate, or diploma from a polytechnic or recognised tertiary college in Hong Kong;

(d) an International Baccalaureate, or equivalent.

English Language Requirement Equivalents

As an alternative to the English Language (Syllabus B) of the Hong Kong Certificate of Education Examination required at Grade D or above, one of the following examinations will be acceptable:

a) English Language (Syllabus A) of the Hong Kong Certificate of Education Examination—Grade B or better;

b) English Language of the Hong Kong Higher Level Examination—Grade D or better;

c) English Language of the General Certificate of Education Examination (Ordinary Level)—Grade C or better;

d) English Language of the General Certificate of Secondary Education—Grade C or better.

Mature Applicants

An applicant who does not satisfy the general entrance requirements or the course requirements of the University but is aged 25 or over by the first day of the academic year in which admission is sought may be granted exemption from the University Entrance Requirements provided he or she can demonstrate aptitude and suitability for admission to a particular course of study.

Future University Entrance Requirements

Beginning in 1994, the University may introduce new entrance requirements to ensure that applicants will have received a broad senior secondary education. The University's intention of setting broad entrance requirements in the future is included in this Prospectus in order to provide guidance in subject selections for students who may seek admission to the University in future years.

In 1994 it is likely that preference will be given to applicants who have demonstrated achievements in a broad general secondary education with emphasis on Biology, Chemistry, Mathematics, Physics, Computer Studies and subjects in the Humanities and Social Sciences.
### III. APPLICATION AND SELECTION PROCEDURES

#### Undergraduate Courses starting in 1991

In the autumn of 1991, The Hong Kong University of Science and Technology will admit its first undergraduates to the following courses:

<table>
<thead>
<tr>
<th>Degree</th>
<th>Title of Course</th>
<th>Abbreviated Title</th>
<th>Course Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>School of Science</td>
<td>BSc</td>
<td>Biochemistry</td>
<td>BICH</td>
</tr>
<tr>
<td>School of Science</td>
<td>BSc</td>
<td>Biology</td>
<td>BIOL</td>
</tr>
<tr>
<td>School of Science</td>
<td>BSc</td>
<td>Chemistry</td>
<td>CHEM</td>
</tr>
<tr>
<td>School of Science</td>
<td>BSc</td>
<td>Mathematics</td>
<td>MATH</td>
</tr>
<tr>
<td>School of Science</td>
<td>BSc</td>
<td>Physics</td>
<td>PHYS</td>
</tr>
<tr>
<td>School of Engineering</td>
<td>BEng</td>
<td>Computer Science</td>
<td>COMP</td>
</tr>
<tr>
<td>School of Engineering</td>
<td>BEng</td>
<td>Electrical and Electronic Engineering</td>
<td>ELEC</td>
</tr>
<tr>
<td>School of Business and Management</td>
<td>BBA</td>
<td>Accounting</td>
<td>ACCT</td>
</tr>
<tr>
<td>School of Business and Management</td>
<td>BBA or BSc</td>
<td>Economics</td>
<td>ECON</td>
</tr>
<tr>
<td>School of Business and Management</td>
<td>BBA</td>
<td>Finance</td>
<td>FINA</td>
</tr>
</tbody>
</table>

All of these courses are of three years’ duration and involve full-time study at the University.

#### Degree Titles

Undergraduate courses in the School of Science lead to the degree of Bachelor of Science—BSc.

Undergraduate courses in the School of Engineering lead to the degree of Bachelor of Engineering—BEng.

Undergraduate courses in the School of Business and Management lead to the degree of Bachelor of Business Administration—BBA, or Bachelor of Science—BSc.

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**Application for Admission in 1991**

Application for admission to the undergraduate courses starting in 1991 is open to students who expect to satisfy the entrance requirements of the University (see page 13) and the requirements of the course or courses selected. Application forms and prospectuses will be available from 3 September 1990 at the various District Offices of the City and New Territories Administration (CNTA) listed on pages 66-67 of this Prospectus, or directly from:

The Director of Admissions  
The Hong Kong University of Science and Technology  
Rm 19, 5/F, World Shipping Centre  
7 Canton Road  
Kowloon Hong Kong

The closing date for the return of application forms is 30 November 1990. Completed application forms should be forwarded to:

University Admissions Office  
The Hong Kong University of Science and Technology  
P.O. Box 98410  
Tsim Sha Tsui Post Office  
Kowloon

Together with a copy of the bank pay-in slip confirming that the application fee of $100 has been paid into the bank account of The Hong Kong University of Science and Technology through a branch of one of the following banks:

The Bank of China—Hong Kong Branch  
HKUST Account No. 012875 0016 8883

The Hang Seng Bank Ltd  
HKUST Account No. 024-262-324999-003

or The Hong Kong and Shanghai Banking Corporation  
HKUST Account No. 004-567-642111-001

using the pay-in slips provided by the University.
The application form will allow the applicant to select up to three degree courses of study at the University. The degree courses selected should be arranged in order of preference on the application form. Any subsequent changes in the order of preference can be made by writing directly to the University Admissions Office.

Selection Procedures

As stated earlier in this Prospectus, and it is worth repeating, the University seeks highly qualified and motivated young men and women who have wide interests and have received a well-rounded, broad-based secondary education; they should be active participants rather than spectators in diverse activities. They should possess great potential in addition to having achieved good grades.

To meet these aims the University will place much reliance on the information contained in the school principal’s or academic referee’s report and on the information provided by the applicant in the application form.

After a careful scrutiny of the application forms and reports, arrangements will be made for selected applicants to be interviewed between 1 December 1990 and 31 March 1991. Conditional offers will be made to successful applicants within one month of the interview, specifying the requirements that will need to be met for them to gain admission to the chosen courses of study.

Other selected applicants will be placed on a Reserve List and will be reconsidered when the Advanced Level Examination or other examination results are published.

Applicants’ Replies

Applicants receiving conditional offers will be required to accept or reject the offers by a date that will be specified by the University. If no response is received by the specified date the offer will be withdrawn.

Successful Applicants

Successful applicants are likely to have strong support from their school principals or academic referees, have gained high examination marks over a number of years and over a wide range of subjects, and have been actively involved in extra-curricular activities.

Students from Overseas

The University welcomes applications from overseas students who are seeking admission to full-time studies at the undergraduate or postgraduate level. Applicants should be aware, however, that competition for admission is likely to be severe and that only well-qualified candidates will gain admission.

Details of the Application and Selection Procedures are shown on pages 16-18 of this Prospectus. The appropriate application forms can be obtained from the University Admissions Office and, after careful completion, should be returned to the same Office together with a bank draft to cover the application fee of HK$100.

Certified true copies of all degrees, diplomas, certificates and other qualifications held should be submitted with the application form. Applicants accepted for admission will be required to produce the original documents on arrival at the University.

Overseas students should carefully consider the financial aspects of their studies in Hong Kong before applying for admission. In 1991-92 the tuition fee is expected to be HK$10,000 and accommodation on campus will involve an additional HK$3,700 per year and for the term time only. In addition, monies will be needed for subsistence, textbooks, local travel, sports equipment, clothing, and other personal needs. A total of at least HK$25,000 per year is likely to be involved.

If one learns from others but does not think, one will be bewildered. If, on the other hand, one thinks but does not learn from others, one will be in peril.

– Confucius
The University is unable to act as a guarantor or otherwise to assist students in making arrangements for entry to Hong Kong. Overseas applicants should make their own arrangements to obtain a student visa by contacting the nearest British Consulate, High Commission or Visa Office in their own country.

Alternatively, prospective overseas applicants may write to the Hong Kong Immigration Department, 7 Gloucester Road, Wanchai, Hong Kong for advice.

**Double Registration**

Students admitted to a full-time course of study at this University will be expected to study full-time for their degrees. They will not be permitted to register for another qualification at this University or at another post-secondary institution unless they have obtained approval, in writing, from the University.

Students should note that student enrolment lists will be compared with those of other post-secondary institutions from time to time. If students are found to be registered elsewhere on a course for another qualification they may be required to discontinue their studies at this University.

**General Enquiries**

Students requiring advice or assistance on application procedures, choice of courses, entrance requirements or other related matters are welcome to visit the University Admissions Office at Room 19, 5/F, World Shipping Centre, 7 Canton Road, Kowloon, Hong Kong from Mondays to Fridays between the hours of 2 pm and 5 pm. Alternatively students may obtain advice by telephoning the University Admissions Office on 302 1500.
IV. THE SCHOOL OF SCIENCE

Degree Offered:
Bachelor of Science (BSc) with Honours

Number of First-Year Places:

<table>
<thead>
<tr>
<th>Department</th>
<th>Places</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department of Biochemistry</td>
<td>20</td>
</tr>
<tr>
<td>Department of Biology</td>
<td>40</td>
</tr>
<tr>
<td>Department of Chemistry</td>
<td>40</td>
</tr>
<tr>
<td>Department of Mathematics</td>
<td>40</td>
</tr>
<tr>
<td>Department of Physics</td>
<td>40</td>
</tr>
</tbody>
</table>

The School of Science comprises five Departments: Biochemistry, Biology, Chemistry, Mathematics, and Physics. When fully operational, the School will enrol 25% of the University's undergraduates and approximately 23% of the postgraduates.

All five Departments will begin in 1991 with a simultaneous intake of undergraduate and postgraduate students. All Departments in the School will offer first-degree courses leading to the BSc degree, and postgraduate programmes leading to the master's and doctoral degrees.

In keeping with the University's general philosophy of providing specialised training with a generalist outlook, undergraduates will take no more than two-thirds of their credits in their major School. In addition, students are required to take at least 12% of their subjects in the School of Humanities and Social Science. The remaining credits will be spread over subjects offered by Departments in other Schools.

Science has, as its whole purpose, the rendering of the physical world understandable and beautiful.

—J.R. Oppenheimer

Selection Criteria

Selection for admission to the University and the School will not be based solely on the results of a single examination. Results of the HKALE and HKCEE will be assessed together with other criteria such as progress and breadth of subjects taken throughout secondary school and participation in extra-curricular activities. Reports and recommendations from school principals and teachers will be critically evaluated.

For overseas and other applicants who have not participated in Hong Kong public examinations, other equivalent examinations and/or academic qualifications will be considered.

Interviews and Tests

Applicants may be requested to attend personal interviews and/or take additional tests to be administered by the University. Interviews will be designed to provide further assessment information on the applicant's motivation, aptitude and overall suitability for the chosen field of study.
The Department of Biochemistry

Degree offered: BSc in Biochemistry

Biochemistry is the study of biological molecules such as proteins, nucleic acids, lipids etc. which form the morphological structures represented by the cell and cellular organelles, provide machinery for the inheritance and expression of genetic information, and energise catalytic transformations essential to cellular growth and reproduction. The study of the nature of these molecules and their reactions has brought about rapid advances in the biological and medical sciences and, furthermore, has enabled the development of biotechnological industries that are playing an increasingly important role in the global economy.

Admission Requirements

In addition to satisfying the General Entrance Requirements of the University (see page 13), candidates applying on the basis of the Hong Kong Advanced Level Examinations should obtain acceptable grades in at least three of the four subjects: Biology, Chemistry, Physics, and Pure Mathematics. Students deficient in one of these subjects may be required to take remedial work in the first year of the degree course.

Candidates applying on the basis of other qualifications will also be expected to have achieved acceptable grades in examinations taken.

Degree Structure

The objectives of the Bachelor of Science programme are to introduce students to the basic concepts of biochemical molecules and processes, and to provide training in the methodologies used in laboratory investigations. Accordingly, the programme will emphasise both theory and experimentation.

In addition to basic chemistry and biology classes, first-year students will be introduced to the concepts of molecular biology; molecular structure and metabolism in topics such as nucleic acid structure and enzymology; DNA replication and transcription; protein structure; enzyme kinetics; and the chemistry and metabolism of carbohydrates, lipids and amino acids.

Second-year subjects will include genetic engineering, protein chemistry, and membranes and cellular metabolism. In the final year, in addition to lecture courses, students may choose to conduct specialised research in a major area under the supervision of academic advisers or to participate in a seminar programme examining the current status of various topics of biotechnological developments.

Practical laboratory classes corresponding to the lecture sessions will be required in the first two years.
The Department of Biology

Degree offered: BSc in Biology

The study of biology covers a wide range of systems at all levels of organisation, ranging from cells and molecules to organs and populations of organisms, both plant and animal. The research and teaching programmes are designed according to the levels of biological organisation, with major emphasis on molecular and cellular levels. Research areas within the Department include molecular biology, plant and animal physiology, neurobiology and marine biology.

The Department also contributes to the research and development programmes of the Biotechnology Research Institute—a campus-wide interdisciplinary Research Institute.

Admission Requirements

In addition to satisfying the General Entrance Requirements of the University (see page 13) candidates applying on the basis of the Hong Kong Advanced Level Examinations should obtain acceptable grades in at least three of the four subjects: Biology, Chemistry, Physics, and Pure Mathematics. Students deficient in one of these subjects may be required to take remedial work in the first year of the degree course.

Candidates applying on the basis of other qualifications will also be expected to have achieved acceptable grades in examinations taken.

Degree Structure

The three-year undergraduate programme leading to the Bachelor of Science degree provides basic training in the biological sciences through course work and laboratory studies. During the first two years, students are required to take a set of core subjects, including introductory biochemistry, introduction to genetics, cell biology, developmental biology, microbiology, animal and plant physiology ecology, and marine biology. Laboratory work associated with biochemistry, cell and developmental biology, microbiology and physiology are also required, as are introductory, intermediate and advanced seminar courses designed to enhance the students' communication skills.

During the third year, each student is required to select an area of concentration among one of the major research areas within the Department. A one-year laboratory project under the supervision of an academic adviser as well as a dissertation based on the project are required prior to graduation.

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Man masters nature not by force but by understanding.
~ Jacob Bronowski

Scientists... peeping toms at the keyhole of eternity.
~ Arthur Koestler
The Department of Chemistry

Degree offered: BSc in Chemistry

Chemistry is the science which deals with the composition and properties of substance, and with the reactions by which substances are produced or converted into other substances. It is traditionally divided into four mainstream areas: analytical chemistry, organic chemistry, inorganic chemistry, and physical chemistry. Just as in many other fields of study, the thrusts of advances in chemistry are gradually shifting to interdisciplinary areas, thus creating new opportunities for research and study.

First there must be a true man; then there can be true knowledge

~ Chuang Tzu

Admission Requirements

In addition to satisfying the General Entrance Requirements of the University (see page 13) candidates applying on the basis of the Hong Kong Advanced Level Examinations should obtain acceptable grades in at least three of the four subjects: Biology, Chemistry, Physics, and Pure Mathematics. Students deficient in one of these subjects may be required to take remedial work in the first year of the degree course.

Candidates applying on the basis of other qualifications will also be expected to have achieved acceptable grades in examinations taken.

Degree Structure

The three-year programme leading to the Bachelor of Science degree is designed to provide students with a strong theoretical and practical foundation in the four mainstream areas of chemistry: analytical, organic, inorganic, and physical. Introductory courses in these areas are required of all first-degree students throughout the three years.

Students may choose a general programme tailored to their individual interests, or may specialise in one area by taking additional advanced course work and participating in approved research projects. Though this is not required for graduation, students are encouraged to complete a final-year research project under the supervision of individual academic advisers.
The Department of Mathematics

Degree offered: BSc in Mathematics

There are two categories of first-degree programmes in the Department of Mathematics: the programme in Pure and Applicable Mathematics, and the programme in Mathematical Sciences and Applications. Both courses of study will lead to the Bachelor of Science degree in three years.

Generally speaking, students in the Pure and Applicable Mathematics programme are interested mainly in the mathematical contents of the subject matter, while students of Mathematical Sciences and Applications are more interested in the scientific contents of the subject. The Mathematical Sciences and Applications programme is usually an interdisciplinary study undertaken in conjunction with another Department in any of the three Schools. In both the design of interdisciplinary undergraduate programmes and research, the Department of Mathematics will collaborate closely with many Departments in the University, based on the interests of students and academic staff.

Admission Requirements

In addition to satisfying the General Entrance Requirements of the University (see page 13) candidates applying on the basis of the Hong Kong Advanced Level Examinations should obtain acceptable grades in Pure Mathematics, Physics, and at least one other A-Level subject.

Candidates applying on the basis of other qualifications will also be expected to have achieved acceptable grades in the examinations taken.

Degree Structure

For the Bachelor of Science programmes in Pure and Applicable Mathematics and in Mathematical Sciences and Applications, all students are required to take classes in multivariable calculus and linear algebra in the first year, and a one-year course in real analysis during the second year of study.

In addition, students in Pure and Applicable Mathematics are required to study subjects in abstract algebra, differential geometry and topology plus three subjects at a more advanced level and selected subjects in physical sciences and engineering.

For those pursuing a degree in Mathematical Sciences and Applications in conjunction with another Department, special courses of study, with the approval and guidance of academic advisers in collaborating Departments, will be tailored to the interests of the students.
The Department of Physics

Degree offered: BSc in Physics

Physics is the science that deals at the most fundamental level with matter and energy, their interactions, and their transformation. Thus, it provides the foundation for many other sciences and for engineering in which the scientific principles and laws are applied to the development of practical problems and devices.

The programmes in the Department of Physics will emphasise the study of basic laws and principles as well as practical problem solving. Students will be given opportunities to engage in interdisciplinary activities in collaboration with other Departments.

Admission Requirements

In addition to satisfying the General Entrance Requirements of the University (see page 13) candidates applying on the basis of the Hong Kong Advanced Level Examinations should obtain acceptable grades in Pure Mathematics, Physics, and Chemistry.

Candidates applying on the basis of other qualifications will also be expected to have achieved acceptable grades in examinations taken.

Degree Structure

In the first two years, all Physics students are required to complete a core of general Physics courses. These include: introductory and intermediate electricity and magnetism; optics, waves, and particles; mathematical methods in physics; classical mechanics; thermodynamics and statistical physics; microphysics or quantum mechanics; and a course in modern experimental optics, electronic circuits, or advanced experimental physics.

The area of concentration should reflect the student's interest. Specific programmes will be designed with the guidance and approval of academic advisers.

Certain mathematics and computer science subjects are highly recommended for all students. These include: ordinary differential equations, partial differential equations, linear algebra and matrix theory, complex variables and modern algebra, data structure, and numerical methods for digital computers.
V. THE SCHOOL OF ENGINEERING

Degree Offered:
Bachelor of Engineering (BEng) with Honours

Number of First-Year Places:
Department of Computer Science 115
Department of Electrical and Electronic Engineering 115

The School of Engineering will be the largest of the four Schools. When fully established, it will enrol 40% of the University's undergraduates and approximately 35% of the postgraduates. The School comprises six Departments: Chemical Engineering, Civil and Structural Engineering, Computer Science, Electrical and Electronic Engineering, Industrial and Manufacturing Engineering, and Mechanical Engineering. The six Departments will be phased in over a period of three years, beginning with the Departments of Computer Science and Electrical and Electronic Engineering in 1991. According to current plans, undergraduate studies in the Departments of Civil and Structural Engineering and Mechanical Engineering will be added in 1992, followed by the remaining two Departments in 1993.

All Departments will offer first-degree courses leading to the BEng degree, and postgraduate studies leading to the master's and doctoral degrees. Undergraduate teaching in the School of Engineering will be based on fundamentals in science and mathematics with strong emphasis on laboratory skills and design technique. In addition, the Industrial Training Centre will offer structured practical experience required for professional engineering certification. Instruction and research in all disciplines will be supported by the University's state-of-the-art laboratories, computing facilities and the Library as well as the central facilities including Electronic Support Shop, Instrumentation Pool, Machine Shop, Glass Blowing Shop, CAD/CAM Laboratories, Microfabrication Centre, and Materials Characterisation and Preparation Laboratory.

In keeping with the University's general philosophy of providing professional training with a generalist outlook, engineering undergraduates will take no more than two-thirds of their credits within the School of Engineering. All students are required to take at least 12% of their subjects in the School of Humanities and Social Science. The remaining credits will be spread over subjects offered by Departments in other Schools.

Selection Criteria

Selection for admission to the University and the School of Engineering will not be based solely on the results of a single examination. Applicants will be evaluated on a variety of characteristics. In addition to HKCEE and HKALE results, the University will rely on recommendations and reports from school principals or academic referees. Applicants' progress and breadth of subjects taken throughout secondary school, and participation in extra-curricular activities will also be considered.

For applicants who have not participated in Hong Kong public examinations, other equivalent examinations and/or academic qualifications will be considered.

Interviews and Tests

Applicants may be requested to attend personal interviews and/or take additional tests to be administered by the University. Interviews are designed for the purpose of providing further assessment information on the applicant's motivation, aptitude and overall suitability for the chosen field of study.
The Department of Computer Science

Degree offered: BEng in Computer Science

Computer Science is the study of the structure, function and applications of computers. The Computer Science programmes include such topics as computer architecture, communications and networks, operating systems, language and compilers, database management, man-machine interface, algorithmic analysis and design, and artificial intelligence.

You cannot teach a man anything; you can only help him to find it within himself.

~ Galileo

Admission Requirements

In addition to satisfying the General Entrance Requirements of the University (see page 13) candidates applying on the basis of the Hong Kong Advanced Level Examinations should obtain acceptable grades in Pure Mathematics, Physics, and Chemistry.

Candidates applying on the basis of other qualifications will also be expected to have achieved acceptable grades in examinations taken.

Degree Structure

All Engineering undergraduates will be required to take a series of courses which will provide them with basic engineering theories, concepts, and practices. Classes in the basic sciences and mathematics will also form part of the curriculum. Introductions to the theory, architecture, and applications of computers will be taught in the second year. In the third year, students may specialise in one of the major concentrations such as software, information science, or computer engineering. Alternatively, students may choose to remain in the general programme with a course of study tailored to their own interests.

A final-year project and thesis will be required for graduation, under the supervision of an academic adviser.
The Department of Electrical and Electronic Engineering

Degree offered: BEng in Electrical and Electronic Engineering

Electrical and electronic engineers apply the theories of electricity, electromagnetism, and electronics to analyse and design devices that generate or use electricity. In performing their jobs, practising engineers today rely not only on the guiding physical principles but also as much on sophisticated engineering tools such as computer design aids and automated analytical equipment. The programmes in the Department are designed to provide students with a solid foundation of the fundamentals as well as a good exposure to state-of-the-art design and analytical tools.

Admission Requirements

In addition to satisfying the General Entrance Requirements of the University (see page 13) candidates applying on the basis of the Hong Kong Advanced Level Examinations should obtain acceptable grades in Pure Mathematics, Physics, and Chemistry.

Candidates applying on the basis of other qualifications will also be expected to have achieved acceptable grades in examinations taken.

Other Departments

Undergraduate studies in four other Departments will be added to the School of Engineering in later years:

- Civil and Structural Engineering (1992)
- Mechanical Engineering (1992)
- Chemical Engineering (1993)
- Industrial and Manufacturing Engineering (1993)

More information on these Departments will be published at a later date.

Young's Law: All great discoveries are made by mistake.

- Harold Faber
VI. THE SCHOOL OF BUSINESS AND MANAGEMENT

Degrees offered:
Bachelor of Business Administration (BBA) with Honours
Bachelor of Science (BSc) with Honours

Number of First-Year Places:
Department of Accounting  50
Department of Economics   50
Department of Finance     50

The School of Business and Management comprises six Departments: Accounting, Business Information Systems, Economics, Finance, Management, and Marketing. The School will begin with three Departments in 1991: Accounting, Economics and Finance, followed by the other three Departments in 1992. When fully established, the School will enrol about 35% of the University’s undergraduate students and approximately 31% of its postgraduate students.

All Departments will offer first-degree Bachelor courses as well as postgraduate degrees through to the doctorate.

In keeping with the University’s general philosophy of providing specialised training with a generalist outlook, all undergraduates will take no more than two-thirds of their credits in their chosen School. All students are required to take at least 12% of their subjects in the School of Humanities and Social Science. The remaining credits will be spread over subjects offered by Departments in other Schools.

--- HKUST Vice-Chancellor
Chia-Wei Woo

All students will be registered in one of the Departments although there will be no first-degree “majors” in the traditional sense. Rather, every student, building on a strong broad-based foundation, will choose an area of concentration in which particular skills are acquired. Thus, graduates will be able to enter the job market while retaining sufficient flexibility and adaptability for future career growth. Initially areas of concentration will be offered individually by the Departments in the School. Multi-departmental concentrations are being planned and are likely to be offered in the future.

Strong emphasis will be placed on the scientific and analytical methods as the fundamental pedagogical approach, to be supplemented by the use of case studies appropriate to Hong Kong and its region. All programmes will take full advantage of the University’s state-of-the-art technological capabilities in their instruction and research.

International Cooperation

A close partnership will emerge between the School of Business and Management and the Anderson Graduate School of Management of the University of California, Los Angeles (UCLA). Senior academic administrators and staff from UCLA will be seconded to the School to advise on curricular matters, offer joint executive education programmes, recruit, teach and conduct research. In return, the School will provide a dynamic homebase for UCLA in Asia-Pacific. Joint appointments will be made. Long term exchanges and collaboration are being planned.

In addition to the partnership with UCLA, assistance will be forthcoming from individual teaching staff at other California universities including the University of Southern California, Stanford University, and several campuses of the University of California (Berkeley, Irvine, and San Diego).
As for Institutions in the United Kingdom, cooperation will be established between the HKUST School of Business and Management and both the London Business School and the School of Management of the Imperial College of Science, Technology and Medicine. Joint appointments are contemplated.

The School of Business and Management will thus be very international in all its teaching, research, and service functions. It is mandated to become a leading business school in Asia within the University's first decade.

**Selection Criteria**

Selection for admission to the University and the School will not be based solely on the results of a single examination. While results of the HKALE and HKCEE are important, applicants will be judged on a variety of characteristics. Among these are: reports and recommendations from school principals or academic referees, progress and breadth of subjects taken throughout secondary school, and participation in extra-curricular activities. For overseas and other applicants who have not participated in Hong Kong public examinations, other equivalent examinations and/or academic qualifications will be considered.

Students from the science stream are particularly suitable for a number of the concentrations offered.

**Admission Requirements**

In addition to satisfying the General Entrance Requirements of the University (see page 13) candidates applying on the basis of the Hong Kong Advanced Level Examinations should obtain acceptable grades in at least three subjects.

Candidates applying on the basis of other qualifications will also be expected to have achieved acceptable grades in examinations taken.

**Interviews and Tests**

Applicants may be requested to attend personal interviews and/or take additional tests to be administered by the University. Interviews are designed for the purpose of providing further assessment information on the applicant's motivation, aptitude and overall suitability for the chosen field of study.

**Degree Structure**

All undergraduate students in the School of Business and Management will be required to complete a common core of foundation subjects in the School. These subjects include:

- Financial and Managerial Accounting
- Micro and Macro Economics
- Organisational Behaviour and Management
- Management Information Systems
- Financial Management
- Marketing Management
- Business Statistics

In addition, students will design a programme with the guidance and approval of academic advisers, in one of the following areas of concentration:

- Accounting
- Business Information Systems
- Economics
- Finance
- Marketing
The Department of Accounting

Degree offered: BBA in Accounting

As a basic quantitative skill, accounting is fundamental to all business undertakings and has applications in many areas of business and management. Courses offered by the Department will focus on concepts and theories, providing students with a solid basis from which they can adapt to changing techniques and practices when they enter the professional world.

Students registered in the Accounting concentration will be able to gain exemption from certain professional examinations and to be prepared to face professional certification in the shortest possible time after their graduation.

The Department will admit its first undergraduate students in 1991.

The Department of Economics

Degree offered: BBA or BSc in Economics

Economics is a social science that deals with the production and consumption of goods and services; and the forces determining economic growth, prices, and the distribution of wealth. Courses offered by the Department provide students with a theoretical basis to the understanding of issues such as economic fluctuations, determinants of growth and decline, and international trade and exchange relations.

The degree offered will be determined by the specific path chosen after the first year of study.

The Department will admit its first undergraduate students in 1991.

The Department of Finance

Degree offered: BBA in Finance

Courses offered by the Department aim at providing students with a working understanding of the financial decision-making process and insights into how financial markets function.

Students interested in this discipline may wish to focus on micro-finance issues, such as corporate finance and investments, or on macro-finance issues, such as financial markets and the international financial system.

The Department will admit its first undergraduate students in 1991.

Other Departments

Three more Departments will be added in 1992: Business Information Systems, Management, and Marketing. Details of these Departments will be included in later issues of the Prospectus.
VII. THE SCHOOL OF HUMANITIES AND SOCIAL SCIENCE

The reunification of art and science, without which there cannot be any true culture.
- Walter Gropius

Degree offered:
No undergraduate degree is offered in this School.

In addition to the Schools of Science, Engineering, and Business and Management, the University has established a School of Humanities and Social Science. The role of the School is two-fold. First, its course offerings will support undergraduate students' main specialisations by illuminating the social, regional and international contexts of science, technology and business enterprise. This is regarded as crucial to the education of the region’s future leaders and innovators in commerce, industry, the professions and public services. Secondly, the School will offer studies in the Chinese cultural heritage, the arts, modern languages and other fields, with the aim of extending students’ knowledge and enlarging their field of vision.

Unlike the other three Schools, this School will not offer undergraduate degrees. There are two Divisions in the School, the Division of Humanities and the Division of Social Science. Both will offer postgraduate work, by means of a programme of taught MA degree courses and the enrolment of research students for master’s and doctoral degrees.

All undergraduate students will be required to take at least 12% of their credits in the School of Humanities and Social Science. During the first year, each student will take a course from the Humanities Division and another one from Social Science. In the second year, a course, “Social Context of Science, Technology and the Business Enterprise”, will be offered to all students. In addition, two courses, “Hong Kong and Its Region” and “China, Its History and Culture”, will also be offered.

Through the Language Centre, the School will offer a full range of classes in English communication skills, particularly in written and spoken English for academic purposes. On admission to the University, all students will be required to undergo an assessment of their English language proficiency. Those found to be in need of further English language support may be required to attend the Centre’s pre-sessional and in-course provision of language instruction.
VIII. INTERDISCIPLINARY RESEARCH INSTITUTES

The University plans to establish a number of interdisciplinary Research Institutes which will cut across Department and School boundaries. The academic staff of these Institutes will collaborate on mission-oriented research projects.

Science...never solves a problem without creating ten more.
~ George Bernard Shaw

These Research Institutes, together with the academic Departments, will provide students with a wide range of excellent research opportunities at the undergraduate as well as postgraduate levels, from basic research in single disciplines to projects in applied research with the collaboration of several Departments.

Some of the Research Institutes being planned include:

- Advanced Materials
- Biotechnology
- Energy
- Environmental Studies
- Information Technology
- Microelectronics
- Transportation Studies

At the time of printing two Research Institutes have been established. The University wishes to thank the Stewards of the Royal Hong Kong Jockey Club for a grant of $130 million, enabling the establishment of the Biotechnology Research Institute, and the Board of Hong Kong Telecommunications Limited for a grant of $100 million for the founding of the University's Hong Kong Telecom Institute of Information Technology.

Others will follow when additional resources become available.

Discovery consists of seeing what everybody has seen and thinking what nobody has thought.
~ Albert Szent-Gyorgyi
IX. CENTRALISED AND ACADEMIC SUPPORT SERVICES

The University Library

The Library will occupy a central location close to the University’s entrance. Eventually the Library will spread over five levels, and will command a spectacular sea view.

As an integral component of the academic programme, it provides a focus for study, reading and scholarship at the University. In 1991, the Library will open with a collection of about 100,000 volumes of recent books and periodicals. The collection will primarily support the University’s teaching and research programmes in science, engineering, and business and management; the humanities and social sciences will also be well represented. Audio-visual materials, both educational and recreational, will be available for use in the specially equipped facilities. There will be seminar rooms for meetings and instruction, areas for group discussion, and ample study booths for individual use.

The Library’s mission is to serve the information needs of the University community. All of the terminals and computers in the Library will be part of the campus-wide network. This means the Library’s database will be accessible from every part of the campus, including offices and Residential Halls. Users will be able to consult a dictionary, an encyclopedia, periodical indices and other reference tools in the Online Catalogue as well as search CD-ROM databases. Plans are also being developed to link the Library via telecommunications to libraries and databases throughout the world.

In 1991, the Library will occupy three levels with over 3,000 square metres of floor space and 400 seats, and will be able to house over 340,000 volumes. The next two levels will be finished during Phase II. Phase III will see the Library expand horizontally at the second and third levels to a total floor space of 13,000 square metres with a capacity for 1.2 million volumes.

The University is pleased to acknowledge receiving funds of $11 million set aside by the former Governor Sir Edward Youde from the donation by the late Sir Shiu-kin Tang to finance the purchase of books for the University Library.

The Computing Services and Telecommunications Centre

The Computing Services and Telecommunications Centre will support undergraduate teaching, advanced instruction, and research applications in science, engineering, business and management, and humanities and social sciences; as well as all administrative needs. A most modern and effective approach to information systems has been planned. A multi-lingual system will also be established.

The computing environment is highly distributed, consisting of a network of microcomputers and scientific workstations which connect all campus buildings. A few large minicomputers and mainframe computers will supply central resources and network services. A very high speed “backbone” network will be employed, with distributed wiring junctions from which various local area networks will emanate. The “backbone” network is the Fibre Distributed Data Interface (FDDI), one of the world’s most advanced systems, that operates at 100 million bits/second.

At HKUST, the computer becomes the window to a vast array of information resources, such as the University Library, various databases for the different scientific and business disciplines, other Hong Kong institutions, and through the BITNET connection, educational and research institutions worldwide.

In addition to the Computer Centre’s central facilities, the academic buildings will be provided with “computer barns” in every wing to facilitate undergraduate student use, and each Department will have, or share, a computer terminal room for use by postgraduate students and academic staff.
The Language Centre

The Language Centre in the School of Humanities and Social Science will offer a wide range of language services to all undergraduate and postgraduate students.

The greater part of these services will be devoted to English language support. The Centre will assess the English language competence of all students on entry. Those students found to be in need of English language support may be required to undertake supplementary language studies. They will have access to the Language Centre’s pre-sessional and in-course classes. In addition to this supporting role, the Language Centre will strive to improve students’ proficiency in Chinese, and will offer a programme of optional courses in modern world languages, and assist with other language studies on an extracurricular basis.

For the provision of these services, the Language Centre will have a number of modern audio-visual and computer-equipped language laboratories suitable for both supervised group practice and individual study, which will also be supported through the availability of audio-visual carrels in the Library where a stock of language tapes for student use will be maintained.

The Education Technology Centre

The University is committed to high standards and up-to-date methods in undergraduate and postgraduate teaching. To this end, the Education Technology Centre will sustain a comprehensive service for all academic staff. It will provide and maintain a wide range of audio-visual resources for academic purposes. It will assist staff in producing their own teaching and learning packages, including those based on computer technology, and audio-visual teaching aids such as slide presentations, video tapes, and overhead transparencies.

To underpin these technical services, the Education Technology Centre will also organise staff development workshops and seminars on educational issues in higher education, including the use of audio-visual materials in teaching and the production of teaching and learning packages.

The Industrial Training Centre

The Industrial Training Centre (ITC) will provide quality training to all Engineering students, and on an elective basis, to interested Science students. The workshops offered by the ITC will satisfy the accreditation and registration requirements of the Hong Kong Institution of Engineers (HKIE).

An important aspect of this training is the integration of the workshop experience with the knowledge acquired in the classroom and laboratories. This will be accomplished through curriculum planning and coordination between the Departments and the ITC. The workshops will be designed in modular form and each Department will work with ITC staff to design and specify combinations of modules that will meet the needs of its students.

The introductory phase of training will consist of basic engineering practices, safety procedures, handling of hand and power tools and machine tools in a supervised setting.
Beyond the introductory phase, training will be designed to arouse the interests of the students in engineering practice, to stimulate their imagination, and to help them develop their talents. This can best be accomplished in a simulated industrial setting with "real" engineering work of such intellectual level as to match the students' ongoing academic activities.

The training modules will be designed to strike a proper balance between the development of skills and an appreciation of engineering processes. To ensure the cohesiveness of the training modules, each group of students will have an ITC staff adviser who will monitor progress and meet with the group on a regular basis.

Initially, industrial training will be conducted at the Hong Kong Polytechnic.

The CAD/CAM Laboratory

Computer-aided design (CAD) is becoming a standard tool in many engineering and scientific disciplines, and related software and graphic display systems are used for purposes outside the domain of technology and the hard sciences such as geographical information systems. The translation of CAD into process control and computer-aided manufacturing (CAM) is a major ingredient in the modernisation of industry.

The CAD/CAM Laboratory at the University will support the teaching and research activities of many Departments. The Laboratory will occupy approximately 150 square metres when the University opens in 1991. It will expand to 350 square metres in Phase II, and over 500 square metres in Phase III with state-of-the-art equipment and design facilities.

Other Central Support Facilities

In addition to the central academic support services, the University will have many other facilities specifically designed to support the various instructional and research activities of the Schools, Departments, and Research Institutes, including the following:

Electronic Support Shop
Glass Blowing Shop
Instrumentation Pool
Machine Shop
Materials Characterisation and Preparation Laboratory
Microfabrication Centre
STUDENT SERVICES

The University will offer a wide range of student services including: career counselling; general counselling; student financial assistance; residential housing services; cultural, sports and physical education activities; and health services. The provision of these and other student amenities will be directed and managed by the Director of Student Affairs in conjunction with other service units.

Counselling Service
A staff of professional counsellors will be available to offer assistance in many areas of student concern, such as adjustment to a new environment, financial hardship, personal problems, and study-related problems.

Appointments Service
The Appointments Service will help students clarify their career plans and options. To assist students in their career decisions, this unit will organise seminars and exhibitions, maintain contacts with potential employers, assist students in securing summer and part-time employment, and in general, keep students informed of employment and career opportunities.

Developing physical health and fitness is as important as broadening the mental capacity and horizons of students. To this end, the University will expect all students to participate in at least one organised sport or physical education activity during their years at the University. Professional coaches will be available to organise and provide instruction in these activities.
In 1991, a large multi-purpose sports hall with 1,600 square metres of floor space will be available for such sports as badminton, volleyball, basketball, tennis, indoor soccer and table tennis, with other areas set aside for fencing, martial arts, aerobic dance, and other exercises. By the end of Phase II in 1993 the outdoor sports facilities on the lower levels of the campus near the waterfront will be completed. These will include a 50-metre swimming pool, an all-weather pitch, a 400-metre athletics track as well as basketball and tennis courts. Expansion of the indoor sports hall is also being planned to include a number of squash courts and other exercise facilities.

It is anticipated that students will form a Students' Union, as well as other societies associated with academic disciplines, residential units, the arts, and social interests.

Physical accommodation will be provided to house these student organisations. Staff from the Office of Student Affairs will be available to guide and assist students in the formation and operation of these groups.

The University Health Centre will provide routine health care for the students. There are plans to provide expanded medical services, dental services, and a physiotherapy treatment service for both students and staff at a later stage.

Health education workshops and seminars will also be organised and presented for the benefit of students and staff alike.

The completion of Phase I construction in 1991 will provide the University with housing accommodation for 120 postgraduate students and 554 undergraduate students. These are located on campus in an eight-storey residence building. Undergraduate rooms will generally be shared by two students; postgraduates will be housed in single rooms.

Each floor of the Residential Halls will have a lounge area with an adjoining pantry. Other facilities in the complex include a laundry and a snack room where residents and guests can meet and socialise. Air-conditioning facilities will be provided in all Residential Halls, subject to appropriate charges.

In 1993, on-campus student housing will be provided for an additional 236 postgraduate and 1,168 undergraduate students. When additional funding becomes available, the University will construct sufficient Residential Halls to accommodate 50%-70% of all students on campus.

For the academic year 1991-92, the University expects to be able to house most incoming students in Residential Halls. In later years, however, as competition for on-campus student housing increases, appropriate Residential Hall application and selection procedures will be introduced by the Office of Student Affairs.

Please consult the section on ‘Fees, Other Expenses, and Financial Assistance’ (pages 61-62) for details of Residential Hall fees.

Off-campus students who wish to enjoy the benefits of hall life and participate in the sporting and social activities of the Residential Halls may become non-residential hall members. Such membership will enhance their sense of belonging.
Other Student Amenities and Services

The University will provide other student amenity areas such as workshops and studios, music and television facilities, student common rooms, meeting rooms, and games rooms. The student canteen, coffee shop and snack bar will be located close to the academic concourse.

Commercial facilities will include a bookshop, banking services, and a convenience store.

The preceding information will demonstrate that the University places great emphasis on providing a wide range of facilities that will enhance the quality of life of both resident and non-resident students. Apart from the facilities specifically created in the form of buildings, students will also have the opportunity to enjoy the natural amenity of a beautiful site enhanced by landscaping, terraces, and pavilions.

Fees quoted in this section are tentative and may be revised prior to the beginning of the 1991-92 academic year.

1. An application fee of HK$100 is charged for each application for admission made directly to the University. This fee, payable at the time of submission of the application form, is not refundable.

2. The tuition fee for students admitted for the academic year 1991-92 is expected to be HK$10,000 per annum. The fee may be paid at the beginning of the academic year or in equal instalments at the beginning of each semester.

3. In addition, each new student will be required to pay a deposit of HK$300 as caution money on first registration. Charges will be made against this deposit if there are any unpaid claims against the student, such as outstanding library dues. The balance will be transferred to the graduation fee upon graduation, or refunded if the student leaves the University before graduation.

4. All students are likely to join the Students' Union and pay a Students' Union entry fee on entry and an annual Students' Union fee. These fees will be set by the Students' Union itself and collected by the University on behalf of the Students' Union. Since the Students' Union will not be formed until after the beginning of the 1991-92 academic year, the fees for 1991-92 may be assessed retroactively in the second semester.

5. Students may be required to pay late charges for failure to complete certain University procedures by stipulated deadlines. These will include delays in paying tuition fees and in completing registration procedures as well as overdue library books, etc. The late charges will be levied in accordance with the rules and regulations set by the respective offices.
6. There are other fees and charges such as the graduation fees, re-examination fees, transcript fees, replacement charges for lost student identity card, etc. Detailed information will be available on registration or from the various administrative offices concerned.

Residential Hall Fees

Residential Halls are expected to operate on a self-supporting basis. Fees are based on operating expenses. For the 1991-92 academic year, the undergraduate residential hall fees will be HK$3,700 per year and for the term time only. The fees for postgraduate halls will be somewhat higher. Precise figures will be available later in the year. Air-conditioning facilities will be provided in all Residential Halls, subject to appropriate charges. The Residential Hall Fees do not include the costs of meals.

General Expenses

In addition to tuition, other fees, and living expenses, students should be prepared for general expenses such as textbooks, stationery, and items of equipment.

Financial Assistance

The sources of financial support for Hong Kong students include the following:

Government Grant and Loan Scheme

Full-time students at publicly funded tertiary institutions who have financial difficulties are eligible to apply for financial aid under a Government student finance scheme. The scheme is administered by the Joint Committee on Student Finance (JCSF) of the Student Finance Section, Education and Manpower Branch of the Government Secretariat.

The financial assistance is offered in the form of grants and/or loans. Grants are given for tuition and other general fees; loans are approved for living expenses. Students are expected to repay their loans at an interest rate of 2.5% per annum within a specified period after graduation or upon leaving the University.

Application forms are available either from the Secretariat of the Joint Committee on Student Finance at the Queensway Government Offices, Ground Floor, Low Block, 66 Queensway, Hong Kong, or from the Office of Student Affairs of the University.

The application form should be filled out carefully and accurately. Within 14 days of receiving an offer of admission from the University, the student should submit the completed application form together with a statutory declaration of his family financial situation to the Office of Student Affairs of the University.

University Loans and Bursaries

Students with additional financial needs may apply for loans and bursaries administered by the University. In general, these funds are used to supplement, but not substitute for, Government financial assistance.

Details of loans and bursaries will be available from the Office of Student Affairs.

Scholarships and Prizes

The University will administer a number of scholarships and prizes on behalf of individual and corporate donors. Most of them will be awarded to students, without application, based solely on academic merit and recommendations of a School or Department. Other scholarships may have conditions specified by the donor. Interested students will need to apply for them through the Office of Student Affairs.
XII. ADDITIONAL INFORMATION

The Academic Year 1991-92

The academic year of the University will run from 1 July 1991 to 30 June 1992 and will include two 15-week semesters and a Winter Session of four weeks.

Term dates for the year 1991-92 will be:

<table>
<thead>
<tr>
<th>Term</th>
<th>Dates</th>
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<tbody>
<tr>
<td>Semester 1</td>
<td>2 October 1991 to 25 January 1992*</td>
</tr>
<tr>
<td>Winter Session</td>
<td>10 February 1992 to 7 March 1992</td>
</tr>
<tr>
<td>Semester 2</td>
<td>9 March 1992 to 20 June 1992</td>
</tr>
</tbody>
</table>

* The dates for Semester 1 include a Christmas and New Year holiday from 23 December 1991 to 4 January 1992.

The Winter Session will be held between the two semesters for remedial activities, study skills, language improvement, enrichment, and other activities. For most students attendance will not be required.

The University Calendar for 1991-92

Detailed information about the University will be contained in the University Calendar for 1991-92 which will be published in July 1991. Students accepted for admission to the University in October 1991 will be able to purchase a copy of the Calendar from the University at that time.

General Enquiries

Students requiring advice or assistance on application procedures, choice of courses, entrance requirements or other related matters are welcome to visit the University Admissions Office at Room 19, 5/F, World Shipping Centre, 7 Canton Road, Kowloon, Hong Kong from Mondays to Fridays between 2 pm and 5 pm. Alternatively students may obtain advice by telephoning the University Admissions Office at 302 1500.
Additional Information

Addresses of District Offices

Application forms and copies of the 1991-92 Undergraduate Prospectus can be obtained from the following district offices of the City and New Territories Administration (CNTA):

HONG KONG

Central & Western District Office
Ground Floor, Harbour Building, 38 Pier Road, Central, Hong Kong

Central & Western Enquiry Sub-Office
11 Ice House Street, Central Government Offices (West Wing Entrance), Hong Kong

Eastern District Office
Ground Floor, 884-886 King's Road, Hong Kong

Southern District Office
Ground Floor, Mei Fung Court, Aberdeen Centre, 7-11 Nam Ning Street, Hong Kong

Wan Chai District Office
Ground Floor, Southorn Centre, 2 O'Brien Road, Wanchai, Hong Kong

KOWLOON

Kowloon City District Office
Ground Floor, Morning Joy Building, 141-143 Kau Pui Lung Road, Kowloon

Kwan Tong District Office
Ground Floor, Kwan Tong District, Branch Offices Building, Tung Yan Street, Kowloon

Mong Kok District Office
Ground Floor, Tung Ping Building, 157 Prince Edward Road West, Kowloon

Sham Shui Po District Office
Ground Floor, 37-39 Tonkin Street, Kowloon

Wong Tai Sin District Office
Ground Floor, San Po Kong, Government Offices Building, North Wing, King Fuk Street, Kowloon

NEW TERRITORIES

Yau Tsim District Office
Ground Floor, Middle Road Car-Park Building, 15 Middle Road, Tsim Sha Tsui, Kowloon

Kwai Tsing District Office
2nd Floor, Kwai Hing Government Offices, 166 Ping Fung Road, Kwai Chung, New Territories

North District Office
Ground Floor, Fan Ling Government Offices Building, 3 Pik Fung Road, Fan Ling, New Territories

Shatin District Office
1st Floor, KCR House, Shatin Station, New Territories

Tai Po District Office
Ground Floor, Tai Po Government Offices Building, Ting Kok Road, Tai Po, New Territories

Tsuen Wan District Office
Tsuen Wan Station Multi-Storey Car-Park Building, 174-208 Castle Peak Road, Tsuen Wan, New Territories

Tuen Mun District Office
2nd Floor, Tuen Mun Government Offices Building, 1 Tuen Hi Road, Tuen Mun, New Territories

Yuen Long District Office
Ground Floor, Yuen Long District Office Building, 269 Castle Peak Road, Yuen Long, New Territories

OUTLYING ISLANDS

Cheung Chau Sub-Office of Island District Office
Ground Floor, 22 San Hing Street, Cheung Chau

Mui Wo Sub-Office of Island District Office
Shop D, Grand View Mansion, 11 Ferry Pier Road, Mui Wo, Lantau Island
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CAMPUS PLAN
THE HONG KONG UNIVERSITY
OF SCIENCE AND TECHNOLOGY

completed by 1991
completed by 1995

To Clear Water Bay
To Kowloon/Sai Kung

Port Shelter

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