Principal Officers of the University

The Chancellor : His Excellency Sir David WILSON, GCMG.
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, OBE, JP.
The Vice-Chancellor and President : Professor Chia-Wei WOO, BS, MA, PhD.
The Pro-Vice-Chancellor for Academic Affairs : Professor Chih-Yung CHIEN, BS, MS PhD.
The Pro-Vice-Chancellor for Administration and Business : Mr. Ian F.C. MACPHERSON, OBE, MA.
The Pro-Vice-Chancellor for Research and Development : Professor Thomas E. STELSON, BS, MS, DSc.
A Message from the
Vice-Chancellor and President

There are two kinds of ongoing transitions in Hong Kong. A political transition is taking place to prepare Hong Kong for self governance after 1997. At the same time, an economic transition has been occurring quietly, to advance Hong Kong from a labour intensive economy to a technology based society. These two transitions promise great opportunities to people who are highly motivated, well educated, and caring.

Hong Kong has very little in the way of natural resources. Our greatest asset is our people - an intelligent, hard-working, and versatile people, a people perfectly placed to take advantage of higher education.

Over the last two decades, the meaning of "higher education" has changed in Hong Kong. A baccalaureate degree provides a young person with a licence, so to speak, to enter the world of high technology and modern management. To become truly competitive and to contribute in leadership roles, however, a strong postgraduate education may soon become a prerequisite. This has been the common experience of economically advanced countries, and is becoming increasingly evident in all the newly industrialised economies - notably Singapore, South Korea, and Taiwan.

The Hong Kong University of Science and Technology (HKUST) has been created to help meet Hong Kong's needs for economic development in and beyond these times of transition. The University comprises four Schools and, immediately upon opening in October 1991, courses for master's and doctoral degrees began in all four. Eventually some 30% of the University enrolment will be at postgraduate levels.

All the leading academic staff appointed at HKUST so far have served as senior professors in major research universities around the world, or in equivalent posts in industrial laboratories. HKUST's staff possess rich experience in directing postgraduate and postdoctoral studies, have published extensively in professional journals, and are highly respected internationally. They are precisely the kind of scholars under whose direction numerous students from Hong Kong have pursued advanced study overseas. In support of their efforts, both the Government and the private sector have been generous in ensuring that this new technological University is well equipped for state-of-the-art research work.

We welcome applications from graduates of our fine sister institutions in Hong Kong, and graduates of strong institutions elsewhere. To the latter, I wish to add that Hong Kong is a great place to live, and a land of opportunities. In return, international students will help to broaden our vistas, and enhance Hong Kong's position as one of the world's great metropolises.

We also invite applications from those who are currently employed, to come either full-time or part-time. These mature and already contributing members of Hong Kong's society are an important component of HKUST's postgraduate student body. The real-life experience they bring enrich the everyday education of their fellow students. Also, they serve as links to industry, commerce, the professions, and public services, with which the University's academic staff expect to collaborate closely.

The coming decade will see great moments in the history of Hong Kong. Great moments have always been made by ordinary people. We in Hong Kong are fortunate to be the ordinary people who can, with vision and determination, capture these great moments and make them our own. To do so hand in hand with people of like mind, to do so while creating a world-class university, and to do so in an idyllic environment, is to live life to its fullest.

Friends, if you share our love for learning, our faith in the people of Hong Kong, and our sense of mission and excitement, join us.

HANDS ON THE PRESENT AND EYES FOR THE FUTURE

Chia-Wei WOO
Vice-Chancellor and President
CONTENTS

I. The University
  7 The Campus
  8 The Academic Staff
  9 Projected Student Numbers
  9 Postgraduate Degrees
  9 Postgraduate Programmes

II. University Entrance Requirements
  12 Requirements for Admission

III. Application and Selection Procedures
  14 Postgraduate Courses Starting in 1992
  16 Full-Time and Part-Time Study
  16 Application for Admission in 1992
  17 Selection Procedures
  17 Students from Overseas
  18 Double Registration

IV. Fees, Other Expenses, and Financial Assistance
  19 Tuition and Other Fees
  20 Residential Hall Charges
  20 General Expenses
  20 Financial Assistance

V. Research Centre, Institutes and Central Research Facilities
  22 Research Centre
  24 Biotechnology Research Institute
  25 Hong Kong Telecom Institute of Information Technology
  25 Materials Characterisation and Preparation Centre
  25 Microelectronics Fabrication Centre

VI. Centralised and Academic Support Services
  26 University Library
  27 Centre of Computing Services and Telecommunications
  28 Language Centre
  28 Educational Technology Centre
  29 CAD/CAM Laboratory
  29 Other Central Support Facilities

VII. Student Services
  30 Residential Accommodation
  31 Student Amenities
  31 Sports and Recreation Facilities
  31 Student Organizations
  32 Health Service
  32 Counselling Service
  32 Appointment Service

VIII. Additional Information
  33 Academic Year 1992-93
  33 University Calendar for 1991-93
  34 General Enquiries

Index

?? Location Map
63 Campus Plan
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

I. THE UNIVERSITY

The Hong Kong University of Science and Technology (HKUST) was incorporated in April 1988 as a publicly funded university. It was established to be a world-class technological 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 well-balanced emphases 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 programmes and postgraduate programmes through to the doctorate, while the School of Humanities and Social Science offers only advanced studies leading to master’s and doctoral degrees in the humanities and social sciences. At the undergraduate level, the School of Humanities and Social Science provides general education 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 Schools and Departments. The Research Centre is building strong connections with the private and public sectors through contractual and applied research. Extensive interaction with industry, commerce, the professions, and public services at the undergraduate and postgraduate levels is also being developed.

The medium of instruction is 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, the Sai Kung peninsulas and the South China Sea. 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 HK$1.926 billion towards the capital construction costs, and is also responsible for managing the overall construction project. Government’s share of the construction costs is HK$1.622 billion.

The campus is being built in three phases. Phase I was completed in July 1991 with a capacity of 2,000 full-time equivalent (FTE) undergraduate and postgraduate students. Phase II, to bring capacity to about 7,000 FTE students, will be completed by 1993. With the planned completion of Phase III in 1996, (contingent upon Government’s approval for construction funds), the University will be able to accommodate a student body of 10,000 FTE students.

The Academic Staff

The University recruits worldwide for academic staff who have achieved excellence in their respective fields and are highly respected as teachers and researchers. They include both established and promising younger scholars who have demonstrated a high degree of professional competence. They have broad intellectual interests, and wish to work collaboratively with colleagues in other fields and with professionals in industry, commerce, and the public services. These men and women care about Hong Kong, its people and its future. Most importantly, they care about their students.

The University began instruction in 1991 with more than 100 academic staff, a large percentage of whom are in senior positions. In 1992 over 200 academics will have been appointed and eventually the academic staff will grow to more than 900 before the turn of the century.

Projected Student Numbers

According to current projections, the University will admit 1,040 undergraduate and approximately 250 postgraduate students in 1992. With over 560 undergraduate and 140 postgraduate students admitted in 1991, a total population of 2,000 full-time equivalent (FTE) students will be registered by 1992. When fully established it is projected that the University will admit annually approximately 2,750 undergraduate and over 700 FTE postgraduate students to the four Schools.

Postgraduate Degrees

In 1992 the University will offer two types of higher degrees - research degrees and coursework degrees. The research degrees available will be the Master of Philosophy (MPhil) and the Doctor of Philosophy (PhD). The coursework degrees will be the Master of Arts (MA), the Master of Business Administration (MBA) and the Master of Science (MSc).

Research degrees may include a coursework component whilst a coursework degree may include a research component.

Postgraduate Programmes

The University offers postgraduate studies leading to master’s and doctoral degrees in all four Schools, with the following postgraduate programmes beginning in the years indicated:

School of Science

Master of Science (MSc), and Master of Philosophy (MPhil)
Doctor of Philosophy (PhD)
School of Engineering

- Master of Science (MSc), and Master of Philosophy (MPhil)
- Doctor of Philosophy (PhD)

- Biochemistry (1991)
- Biology (1991)
- Chemistry (1991)
- Mathematics (1991)
- Physics (1991)

School of Business and Management

- Master of Business Administration (MBA)
- Doctor of Philosophy (PhD) programmes will begin admitting students in 1992.

- Accounting (1991)
- Economics (1991)
- Finance (1991)
- Business Information Systems (1992)
- Management (1992)
- Marketing (1992)

School of Humanities and Social Science

- Master of Arts (MA) and Master of Philosophy (MPhil)
- Doctor of Philosophy (PhD)

- Humanities (1991)
- Social Science (1991)

Joint Degree Programmes

- Interdisciplinary study and research will be encouraged and collaborating Departments will offer programmes leading to joint interdisciplinary degrees. In 1992 two joint degree programmes will be offered:
  - Master of Science (MSc) in Biotechnology
  - Master of Arts (MA) in Chinese Studies.

II. UNIVERSITY ENTRANCE REQUIREMENTS

Requirements for Admission

Applicants seeking admission to a postgraduate degree programme should have:

1. obtained a first degree from this University or an approved institution, or obtained an approved equivalent qualification;

2. satisfied the School and Department concerned as to their fitness to pursue the postgraduate programme; and

3. satisfied the School and Department concerned as to their English language ability to undertake the postgraduate programme.

To be accepted to study for the PhD degree, postgraduate students should normally have:

1. obtained a master's degree from a University or other approved institution, or presented evidence of satisfactory work at the postgraduate level on a full-time basis for at least one year, or on a part-time basis for at least two years;

2. satisfied the School and Department concerned as to both their chosen subject of research and their fitness to undertake research into it; and

3. satisfied such other requirements as may have been established by the School and Department concerned, which may include qualifying examinations, both written and oral.
### III. APPLICATION AND SELECTION PROCEDURES

#### Postgraduate Programmes Starting in 1992

In the Autumn of 1992, The Hong Kong University of Science and Technology will admit postgraduates to the following programmes on a full-time and part-time basis:

<table>
<thead>
<tr>
<th>School of Science</th>
<th>Code Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biochemistry</td>
<td>MPhil M110</td>
</tr>
<tr>
<td></td>
<td>PhD D110</td>
</tr>
<tr>
<td>Biology</td>
<td>MPhil M120</td>
</tr>
<tr>
<td></td>
<td>PhD D120</td>
</tr>
<tr>
<td>Chemistry</td>
<td>MPhil M130</td>
</tr>
<tr>
<td></td>
<td>PhD D130</td>
</tr>
<tr>
<td>Mathematics</td>
<td>MSc M141</td>
</tr>
<tr>
<td></td>
<td>MPhil M140</td>
</tr>
<tr>
<td></td>
<td>PhD D140</td>
</tr>
<tr>
<td>Physics</td>
<td>MSc M151</td>
</tr>
<tr>
<td></td>
<td>MPhil M150</td>
</tr>
<tr>
<td></td>
<td>PhD D150</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>School of Engineering</th>
<th>Code Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Civil and Structural Engineering</td>
<td>MSc M221</td>
</tr>
<tr>
<td></td>
<td>MPhil M220</td>
</tr>
<tr>
<td></td>
<td>PhD D220</td>
</tr>
<tr>
<td>Computer Science</td>
<td>MSc M231</td>
</tr>
<tr>
<td></td>
<td>MPhil M230</td>
</tr>
<tr>
<td></td>
<td>PhD D230</td>
</tr>
<tr>
<td>Electrical and Electronic Engineering</td>
<td>MSc M241</td>
</tr>
<tr>
<td></td>
<td>MPhil M240</td>
</tr>
<tr>
<td></td>
<td>PhD D240</td>
</tr>
<tr>
<td>Mechanical Engineering</td>
<td>MSc M261</td>
</tr>
<tr>
<td></td>
<td>MPhil M260</td>
</tr>
<tr>
<td></td>
<td>PhD D260</td>
</tr>
</tbody>
</table>
APPLICATION AND SELECTION PROCEDURES

Full-Time and Part-Time Study

Normally, master’s degree programmes will take about 18 months to two years of full-time study to complete. Programmes leading to the PhD degree will normally require four years of full-time study, or equivalent, beyond the first degree. The actual duration will depend upon the degree of prior preparation of the student and the nature of the research undertaken.

Application for Admission in 1992

Application for admission to the postgraduate programmes starting in 1992 is open to students who expect to satisfy the entrance requirements of the University and of the postgraduate programme selected.

Application forms are available directly from:

University Admissions Office
The Hong Kong University of Science and Technology
Clear Water Bay
Kowloon
Hong Kong

The closing date for the return of the application forms will be 1 March 1992, but late applications may be considered.

Applicants must submit the following documents:

1. completed application form, including a one-page statement on study plans and career goals;
2. two letters of recommendation mailed directly to the Director of Admissions;
3. officially certified academic transcripts of undergraduate studies (and postgraduate studies, if any); and
4. copy of the bank pay-in slip confirming that the application fee of HK$100 has been paid into the bank account of the Hong Kong University of Science and Technology.
For overseas applicants, if official transcripts are in a language other than English or Chinese, a certified translation into English must be provided. In lieu of the bank pay-in slip confirming payment of application fee, overseas applicants may submit a bankdraft or certified bank cheque of an amount equivalent to US$15.00 with the completed application form.

Selection Procedures

Selected applicants may be invited for interview. Successful applicants may receive a firm offer, or may be required to satisfy other conditions before receiving a firm offer. Candidates receiving a firm offer will be expected to accept or decline the offer by a date that will be specified.

Students from Overseas

The University welcomes applications from overseas students who are seeking admission to studies at the postgraduate level.

Students from overseas must obtain a visa in order to study in Hong Kong. Applications should be made well in advance at a British Consulate or High Commission or Visa Office, or by writing directly to: The Hong Kong Immigration Department, 2/F, Tower II, 7 Gloucester Road, Wanchai, Hong Kong. Applicants will be required to show sufficient financial resources to cover expenses for their period of study. Applicants must also nominate a sponsor who is resident in Hong Kong, aged over 21, to whom they are known personally. Applicants who would have difficulty in nominating a sponsor in Hong Kong may apply to the University to act in this capacity at the Office of Student Affairs.

A postgraduate living in a University Residential Hall will need at least HK$28,000 (US$1.00 = HK$7.80) to cover tuition fees, food and lodging expenses for a period of nine months from October 1992 to June 1993. This sum does not include expenses for books, equipment, entertainment, and other incidental and personal expenses. Fees and charges as well as other expenses are expected to increase on an annual basis.

On-campus residential accommodation is available but not guaranteed for any student. Expenses for those unable to obtain on-campus accommodation will be at least HK$36,000 for a nine-month period.

Double Registration

Students registered for a degree at this University (full-time or part-time) may not register for another qualification at this or any other tertiary 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 for another qualification without written approval they may be required to discontinue their studies at this University.
IV. FEES, OTHER EXPENSES, AND FINANCIAL ASSISTANCE

Tuition and Other Fees

1. An application fee of HK$100 is charged for each application for admission 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 1992-93 is expected to be HK$11,600 per annum for full-time students and HK$2,900 per semester for part-time students.

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 completion of the degree programme or refunded if the student leaves the University before completing the programme.

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 1992-93 assessed will be determined in due course.

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 graduation fees, re-examination fees, transcript fees, replacement charges for lost student identity card, etc. Detailed information will be available on registration.

Residential Hall Charges

For the 1992-93 academic year, the postgraduate Residential Hall charges will be approximately HK$850 per month. The Residential Hall charges 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 books, stationery, and items of equipment.

Financial Assistance

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

Government Grant and Loan Scheme

Under the Scheme, grants are awarded to cover tuition fees and academic expenses while loans are for living expenses. Awards are means-tested. The amount awarded is related to family disposable income and is calculated by a pre-determined formula. The maximum award, however, is just sufficient to cover basic expenses for a period of nine months for a student living at home and insufficient for students living in a postgraduate hall. Loans are repayable after graduation or upon leaving the University at an interest rate of 2.5%.

Applicants must be full-time students who have resided or been domiciled in Hong Kong for three or more years immediately prior to applying for assistance.

Application forms are available from the Student Affairs Office or the Government Student Financial Assistance Agency, G/F, Low Block, 66 Queensway, Hong Kong.
FEES, OTHER EXPENSES, AND FINANCIAL ASSISTANCE

University Bursaries and Loans

These are in general to supplement, but not substitute for government financial assistance. Funds will also be made available to assist students with emergency needs arising from sudden change of financial conditions.

Most funds are available only to full-time students who have resided in Hong Kong for three or more years. Details are available from the Student Affairs Office.

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 the recommendations of a School or Department. Other scholarships may have conditions specified by the donor. Enquiries should be directed to the Student Affairs Office.

V. RESEARCH CENTRE, INSTITUTES AND CENTRAL RESEARCH FACILITIES

The University has established a number of research institutes and centres to identify and provide focus for particular research emphases at HKUST. All cut across traditional School and Department boundaries to 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. Descriptions of the research units established at this time follow.

Research Centre

The Research Centre has been established to undertake contractual and applied research, the results of which generally lead much more directly and quickly to implementation than does most academic research. Its objectives are to conduct mission-oriented scientific, engineering, industrial, and management research relevant to Hong Kong's technological and socio-economic development; establish and manage research facilities that are critical to the services and development of technology in Hong Kong; incubate critical technologies relevant to Hong Kong's community, government and industry; establish research and scientific databases; provide institutional management and planning support for research to faculty members; coordinate collaborative overseas research programmes; and develop and maintain research sponsorship and contractual relationships.

The Research Centre conducts a programme of wide-ranging R&D initiatives to maintain its research vitality and to inject cutting-edge technology into its applied research. Research topics and projects are chosen with the collaboration to the impact of research results on the local community, availability of the University's skills for conducting outstanding research, involvement of graduate students and academic faculty, and potential to strengthen existing areas of activity or to build areas of future research strength.
The following list provides examples of technology and research initiatives of the Research Centre:

- Environment
  
  - Hong Kong Ecosystem Databank and Processing Centre
  - Hong Kong/Pearl River Delta contaminated sediment research
  - Pollutant source identification; air quality index and prediction
  - Abatement of diesel pollution
  - Landfill modelling
  - Immobilised microalgae

- Energy
  
  - Boundary-layer wind tunnel
  - Productive electrochemical desulphurisation of flue gas
  - Software and instrumentation for power plants
  - Damage assessment technology for power systems
  - Seawater scrubbing of SO2
  - PFA landfill modelling
  - Electric vehicles
  - Effect of electromagnetic fields on humans
  - Revegetation of pulverised fly-ash lagoons

- Infrastructure
  
  - Building systems
  - Geotechnical engineering
  - Bridge engineering
  - Coastal engineering

- Research related to academic departmental needs
  
  - Software engineering
  - Manufacturing
  - Textiles
  - Plastics
  - Herbal medicines
  - Science Park development

Biotechnology Research Institute

The mission of the Biotechnology Research (BRI) is to assist Hong Kong in its economic development, and in so doing contribute to the economic well-being of the Asia-Pacific region, through the research, development and the training of specialists in biotechnology. The biotechnology industry worldwide is entering into a period of unprecedented growth opportunities. Besides the rapid scientific advances that bring a constant stream of new processes and products, the business environment of the industry is also undergoing dramatic changes in the form of increasing globalization, as new entrants, both national governments and corporations, seek participation. The founding of BRI could not have come at a more opportune time, to help Hong Kong strive to become one of the important centres of biotechnology in the world.

Biotechnology covers a wide range of fast growing areas of economic importance. The four research areas targeted for development by BRI are:

1. Genetic engineering and molecular pharmacology
2. Molecular immunology
3. Biomedical instrumentation and modelling
4. Industrial and agricultural bioengineering

Since its inception the activities of BRI have been directed towards the establishment of these research areas. Foremost among these activities have been the recruitment of biotechnology related faculty to create a focus of concentration within each area, the purchase of equipment, the planning of facilities, and the launching of research projects in these areas.
Hong Kong Telecom Institute of Information Technology

This institute has been founded with a grant of $100 million from Hong Kong Telecommunication Limited. The concept of the Institute is based on the recognition that in the future there will be no economic development, no industry or commerce, no service or manufacturing capability of any significance without the full utilization of information technology. All Schools at the University will be involved in the research activity of this Institute.

Materials Characterisation and Preparation Centre

The purpose of the Materials Characterisation and Preparation Centre is to provide central experimental facilities for the preparation and characterisation of electronic, polymeric, ceramic, magnetic, biological and engineering materials. In providing a coherent collection of human and physical resources, it will serve both University and external users, as well as stimulating interdisciplinary research in materials science and engineering.

Microelectronics Fabrication Centre

The mission of this Centre is to provide capabilities for the fabrication of microelectronic devices in support of teaching and research at the University. Particular objectives for fabrication include discrete semiconductor devices, novel microsensors and microactuators, and application specific integrated circuits (ASIC). While closely associated with the Department of Electrical and Electronic Engineering, microfabrication projects from outside the Department will be encouraged.

VI. CENTRALISED AND ACADEMIC SUPPORT SERVICES

University Library

The University Library occupies a central location close to the University's entrance Piazza, covering five floors and commanding a spectacular sea view.

As an integral component of the academic programme, the Library supports the University's teaching and research in science, engineering, management, the humanities and the social sciences. Audio-visual materials, both educational and recreational, are available for use in specially equipped facilities. There are seminar rooms for meetings and instruction, areas for group discussion, and ample study carrels for individual use. The Library is much more than a repository for the accumulated knowledge of our civilisation; it serves as the heart of our intellectual enterprise.

The rapid development of HKUST requires a correspondingly rapid rate of growth in its library collection. The Library opens in 1991 with a collection of approximately 120,000 books, bound periodicals as well as non-print materials. During the 1991-94 triennium, and thereafter, the Library plans to add about 60,000 items per year to provide support for HKUST's program development. Reaching beyond local holdings the Library has made extensive provisions for automation. The Library Online Catalogue forms a part of the campus-wide network, therefore accessible from every part of the campus. Through the Online Catalogue users will be able to consult a variety of bibliographic and full-text information as well as search CD-ROM databases. Plans are being developed to link the University Library via telecommunications to
libraries and databases in institutions locally and overseas.

In 1991, the Library occupies three levels with over 6,000 square metres of floor space and 600 seats. The next two levels will be finished during Phase II construction. Phase III will see the Library expand horizontally at the second and third levels to a total space of 13,000 square metres with a capacity for 1.2 million volumes.

An experienced staff assists patrons in a variety of ways, from the selection, acquisition, and cataloging of materials to help using the collection, online searches, and interlibrary loans. There is also a fully-equipped training center for group instruction. The University Library has a strong service orientation in order to most effectively meet the varied needs of its academic community.

The University is pleased to acknowledge receiving funds of $10 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.

Centre of Computing Services and Telecommunications

The Computing Services and Telecommunications Centre supports undergraduate teaching, advanced instruction, and research applications in science, engineering, business and management, and humanities and social science; it also serves the University's administrative needs. A most modern and effective approach to information systems is being put in place. 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 the Hong Kong University of Science and Technology, 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 are 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.

Language Centre

The Language Centre in the School of Humanities and Social Science offers a range of language services.

For the provision of these services, the Language Centre has modern audio-visual and computer-equipped language laboratories suitable for both supervised group practice and individual study.

Educational Technology Centre

The University is committed to high standards and up-to-date methods in undergraduate and postgraduate teaching. To this end, the Educational Technology Centre sustains a comprehensive service for all academic staff. It provides and maintains a wide range of audio-visual resources for academic purposes. It also assists 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.
CENTRALISED AND ACADEMIC SUPPORT SERVICES

To underpin these technical services, the Educational Technology Centre organises 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.

CAD/CAM Laboratory

Computer-aided design (CAD) has become 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 above listed 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
- Industrial Training Centre
- Instrumentation Pool
- Machine Shop
- Materials Characterisation and Preparation Centre
- Microelectronics Fabrication Centre

VII. STUDENT SERVICES

The University believes that campus life is an important aspect in the development process of students. In addition to providing services in assisting students in solving problems that are affecting their studies, the University aims at creating an environment conducive to the promotion of interaction among staff and students, and intellectual and cultural development.

Postgraduate students, academically more senior and knowledgeable, and more mature in life experience, will be expected to be not just recipients of services provided but also mentors and tutors for their more junior counterparts.

There is one on-campus postgraduate Residential Hall for 120 persons in 1992. Accommodation for another 237 postgraduate students will be available in early 1993. Allocation of student housing is organized by the Student Affairs Office.

Residents will be housed in furnished single rooms. There will be no facilities for married students with or without children. Neither will there be cooking facilities. Meals are to be taken at the central dining facilities on campus.

Please consult the section on 'Fees, Other Expenses, and Financial Assistance' for details of Residential Hall charges.

The Student Affairs Office will operate an accommodation service on a limited scale to assist students who wish to seek off-campus accommodation in the vicinity of the University.

Amenities for organised and personal student activities are provided in the Student Amenities Centre. These include facilities for the pursuit of hobbies such as photographic darkrooms, music rooms, and studios; for the organization of activities such as meeting rooms, workshops, office space, and exhibition areas; and for leisure activities for individual students and interaction among students, such as common rooms, TV rooms, and reading rooms.
Catering facilities are centrally located to enable interaction among students.

Commercial facilities include a bookstore, banking services, and a convenience store.

The campus itself, on a beautiful site, enhanced by landscaping, terraces, and pavilions, has been designed with great emphasis on the quality of life of both resident and non-resident students.

A large multi-purpose sports hall with 1,600 square metres of floor space is 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 activities. By the end of 1992, outdoor sports facilities will be completed. These will include a 50-metre swimming pool, an all weather-pitch, a 400-meter athletics track, as well as basketball and tennis courts.

It is anticipated that students will form themselves into societies associated with academic disciplines, Residential Halls, and other interests.

Accommodation will be provided to house these student organizations. The Student Affairs Office will be ready to provide advice and logistic support for the formation and operation of student organizations.

An on-campus clinic provides out-patient health care for students. Health education programmes will also be organized for the entire University Community.

A staff of professional counsellors will be available to provide assistance to students with problems affecting their studies.

This service will collect career information for consultation by students and act as a link between students and potential employers.
VII. ADDITIONAL INFORMATION

Academic Year 1992-93

The academic year of the University will run from 1 July 1992 to 30 June 1993 and will include two 15-week semesters and a winter session of five weeks.

Term dates for the year 1992-93 will be:

- **Fall Semester**: 7 September 1992 to 19 December 1992
- **Winter Session**: 4 January 1993 to 13 February 1993
- **Spring Semester**: 15 February 1993 to 5 June 1993

The dates of the Winter Session include a break from 22 January 1993 to 25 January 1993.

The Winter Session will be held between the two semesters for enrichment, study skills, language improvement, research, conferences, and other activities. For most students participation will be optional.

University Calendar for 1992-93

Detailed information about the University will be contained in the University Calendar for 1992-93 which will be published in summer of 1992. Students accepted for admission to the University in September 1992 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, entrance requirements, or other related matters are welcome to visit, telephone, or write to the University Admissions Office which is open Mondays to Fridays during the following hours:

- 9 a.m. - 12:30 p.m.
- 2 p.m. - 5 p.m.

and on Saturdays during the following hours:

- 9 a.m. - 12 noon

All enquiries should be addressed to:

The Director of Admissions, Registration & Records  
The Hong Kong University of Science and Technology  
Clear Water Bay  
Kowloon  
Hong Kong

- Telephone No.: (852) 358-6622  
- Facsimile No.: (852) 358-0769
INDEX

A
Academic Staff 8
Year 32

Accommodation, see under Residential Accommodation

Admissions Office, University 33

Application Fee 18
Procedures 13

Appointments Service 30

B
Biotechnology Research Institute 23

Bursaries, University 20

C
Calendar, University 32
Campus 8
Caution Money 18
Centralised and Academic Support Services 25
Computational Laboratories 27
Computer-Aided Design (CAD)/Computer-Aided Manufacturing (CAM) Laboratory 28
Computer Terminal Rooms 27
Computing Services and Telecommunications, Centre of 26
Counselling Service 30

D
Double Registration 17

E
Educational Technology Centre 27
Electronic Support Shop 28
Entrance Requirements 11
Enquiries 33
University 11
Environmental Studies Research Institute 22
Examination Fees, see under Tuition Fees
Expenses, General 19

F
Fees, see under Tuition Fees
Financial Assistance 19
Full-time Study 15

G
Glass Blowing Shop 28
Government Grant and Loan Scheme, see under Financial Assistance
Government Student Financial Assistance Agency 19

H
Health Service 30

I
Immigration Department, Address of 16
Industrial Training Centre 28
Instrumentation Pool 28

J
Joint Degree 10

L
Language Centre 27
Library, University 25
Living Expenses 19
Loans, University 19

M
Machine Shop 28
Materials Characterisation and Preparation Centre 28
Micro Electronic Fabrication Centre 24
Miscellaneous Fees and Charges 19

O
Outdoor Sports Facilities 30
Overseas Students 16

P
Part-time Study 15
Postgraduate Programmes 9

R
Registration Fees 18
Residential Accommodation 29
Fees 19

S
Scholarships 20
Selection Procedures 16
Sports Facilities 30
Student Affairs, Office of 19, 30
Student Amenities and Services 29
Student Numbers, Projected 9
Student Services 29
Students' Union 18, 30
Fee 18

T
Telecom Institute of Information Technology 24
Tuition Fees 18

U
University, The 7
The Campus
Main Entrance
Mass Transit Railway (MTR)
Road/Highway
Bus Route to Campus

KOWLOON

HONG KONG ISLAND

CAMPUS PLAN
THE HONG KONG UNIVERSITY OF SCIENCE AND TECHNOLOGY
completed by 1991
completed by 1993
completed by 1996

To Kowloon, Sai Kung

Port Shelter

To Clear Water Bay