



UNITEC  
INSTITUTE OF TECHNOLOGY  
*Te Whare Wānanga o Wairaka*

**THINKSPACE<sup>o</sup>**

**UNITEC ANNUAL REPORT 2002**

# Contents

- 1 Highlights 2002
- 2 Statement of Purpose
- 2 Mission
- 2 Vision

## The Year in Review

- 4 Chairman's Report
- 5 Chief Executive's Report
- 10 Faculty Reports
- 15 Obituary
- 16 Te Noho Kotahitanga – The Partnership
- 17 Statement of Responsibility
- 18 Report of the Auditor-General

## Performance Statements

- 20 Statement of Objectives
- 22 Outputs 2002
- 24 Achievements 2002

## Financial Statements

- 42 Financial Highlights
- 43 Statement of Accounting Policies
- 46 Statement of Financial Performance
- 47 Statement of Financial Position
- 48 Statement of Cash Flows
- 49 Statement of Movements in Equity
- 50 Notes to the Financial Statements
- 59 Statement of Commitments and Contingencies
- 60 Statement of Resources

## Appendices

- 62 Council of UNITEC
- 63 Senior Management of UNITEC
- 64 Glossary

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**Highlights 2002**

- Outstanding EFTS (Equivalent Full-time Student) growth of 15% up 1,256 EFTS to a total of 9,565.
- Phenomenal international student growth with an increase of 46% over last years EFTS to 2,569. International students now comprise more than a quarter of our EFTS earning \$25.8 Million in student fees alone.
- \$26.8 Million invested in campus development over the last 3 years to develop world class facilities for students.
- Growth in professional postgraduate programmes and strong demand for trades certificates confirms and consolidates our dual sector profile.
- Memorandum of Understanding with Waitakere City paves way for close collaboration between UNITEC and the City Council to foster the social, economic, and environmental development of the city.
- Graduate skills strongly linked to labour market needs with 85% of 2002 graduates working in an area related to their UNITEC qualification.
- Programme innovation focusing on the needs of industry, employers and students seeking relevant professional qualifications at advanced university levels as well as those beginning their tertiary education. Areas not well served in more traditional university settings.
- International partnerships include closer relationships with sister institutions in South America and China.
- Research fellowship scheme to support and encourage excellent applied research offered to assist young and emerging researchers realise their potential.
- Environmental management policy formalises our commitment to sustainable and responsible environmental management.

FOR THE YEAR ENDED 31 DECEMBER 2002



## Statement of Purpose

**UNITEC inspires people to discover and apply their intellectual and creative potential and contribute responsibly to their societies and cultures.**

## Mission

**To be New Zealand's leading provider of applied higher and further education.**

**For our students, we will:**

- Provide relevant and durable qualifications
- Foster intellectual and learning independence
- Commit to quality in all our activities
- Encourage and support their success.

**For our owners, we will:**

- Be accountable for our actions
- Provide sound stewardship of resources
- Enhance their investment.

**For our staff, we will:**

- Be a good and fair employer
- Provide support for both teaching and research
- Recognise and celebrate their contributions.

**For the wider community, we will:**

- Honour the Treaty of Waitangi
- Advance, disseminate and preserve knowledge
- Act as a critic and conscience of society.

## Vision

**UNITEC will be the most innovative and exciting university in Auckland.**

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# The Year in Review



FOR THE YEAR ENDED 31 DECEMBER 2002





## Chairman's Report

UNITEC's performance over the year has yielded some very solid results. There has been outstanding EFTS (Equivalent Full-time Student) growth, particularly in international education, with an overall increase in EFTS of over 15%. While the growth in numbers has increased income, the relative cost structure has meant that there is considerable pressure on the institution to come up with some very innovative solutions. At a strategic level such solutions include the pursuit of partnerships, mergers and joint ventures that have characterised the public tertiary sector. Many of these have been essential for the survival of some smaller institutions and in UNITEC's case may be necessary to achieve our objective of university status. Meanwhile we continue to produce university-level graduates in areas that are much in demand within business and the community, and have a clear vocational and professional focus.

We began 2003 with much personal sadness with the passing of Sir John Turei, UNITEC Kaumatua and distinguished council member. Sir John's achievements, including the foundation of Te Noho Kotahitanga, have had a significant impact on UNITEC and its ability to respond to Treaty of Waitangi obligations and to meet government objectives for tertiary education including advancing Maori socially and economically.

The limitations imposed by inadequate bulk funding of tertiary education and the relative uncertainty of the overall impact of the new funding regime to be introduced in 2004, have provided significant challenges to Council and management in planning for future development. Ensuring sound organisational and financial management practices remain paramount in our efforts to enhance the public investment in UNITEC and maximise returns to ensure that we can keep pace with growth in demand.

As part of the transition to the new regime, Council and management participated in the Transitional Tertiary Education Commission (TTEC) pilot programme for the development of institutional charters and profiles. This was an interesting experience for all involved. Building on the extensive groundwork undertaken as part of our 25th Jubilee celebrations in 2001 we were able to readily articulate our mission, vision, and distinctive character as well as identifying our contribution to New Zealand and our contribution to the tertiary education system.

Strategic partnerships have been a feature of our year with the signing of a memorandum of understanding with the Waitakere City Council to work together in our ongoing development and operation of UNITEC@Waitakere. This agreement will enable both partners to mutually benefit, assisting both the council and ourselves reach our common objectives of social, economic and environmental development of the community through the development of tertiary education in West Auckland. Other

international partnerships help secure the place of UNITEC in the international education arena.

Closer to home the Council has actively supported the commencement of merger discussions with Auckland University of Technology and the investigation of a detailed business case that could potentially bring benefits to both organisations, and to the students and communities we jointly serve. The fruition of this merger could change the face of education in Auckland. This will be one of the most significant decisions Council will make.

During the year we were pleased to welcome four new members to the Council, two ministerial appointments and two co-opted members. Pauline Winter is a management consultant and chairs the Pacific Island Business Development Trust and the Auckland Energy Consumers Trust. Judy Lawley is a project director for Living Values and a Waitakere City Councillor. After a consultation with a range of professional bodies Council's Executive Committee co-opted Ms Liz Thomson, the principal of Auckland Girls Grammar School and Ross Knight, a specialist in legal and constitutional issues relating to education. Each new member brings a broad range of abilities and specialist expertise that will enhance the governance of UNITEC and further our objectives.

On behalf of the council, a very big thank you to Dr John Webster, our president and chief executive, who continues to lead us in our pursuit of educational leadership. I am confident that with such sound management and commitment to excellent comprehensive university level education, closely aligned to industries and the professions, UNITEC will remain at the forefront of the development of the knowledge society.

It is with some sadness that I did not offer myself for re-election as chairman of Council at the beginning of 2003. I would like to thank my fellow councillors for their input, dedication, and commitment to the affairs of UNITEC during my four years as chairman. Working with such committed Council members and a highly skilled management team has been a gratifying experience. The outcomes of our initiatives, the successes of our students, and the contributions our graduates make to society are indeed rewarding to observe. I hand the chair to the very capable Alan Dickinson and wish UNITEC every success in the future as the foundations that we have laid develop and evolve, and our visions are realised.

**John Robb**

Chairman of Council

# Chief Executive's Report



## The Year in Review 2002

Innovation and growth have characterised 2002 at UNITEC. We have experienced significant growth in domestic student numbers and exceptional growth in international enrolments from many countries around the world. Total enrolments (as measured in EFTS or Equivalent Full-time Students) grew by over 15% during the year, reaching 9,565, up from 8,309 in 2001. The number of students enrolled grew from 19,000 in 2001 to almost 30,000, and they participated in over 130 programmes of study.

The growth extended across all levels of educational provision, and there has been strong demand for our trades certificates as well as exponential growth in our professional postgraduate programmes. In 2002, we offered a comprehensive range of programmes including a PhD, nine masters degrees, five postgraduate diplomas, 36 bachelors degrees including honours, eight graduate diplomas, 25 diplomas, and 52 certificate qualifications. From 2003 onwards, we will also offer a Doctorate in Computing, planned as the first of several high-level programmes directed at meeting the needs of exceptional practising professionals.

Our new campus at Waitakere continues to develop from its modest beginnings in 2001, and our relationship with Waitakere City has grown and matured, secured by a memorandum of understanding signed on 11 October 2002. Exciting joint developments between UNITEC and the City Council are now in prospect. Encouragingly, most of the students enrolling at our Waitakere campus tell us that they very much like studying there, and would not have been able to enter tertiary education had the service not been available.

Our main Mt Albert campus has also expanded, as we seek to keep pace with growth and provide a modern university-level campus. Several initiatives are under way to ensure that we are equipped to contribute to implementing the government tertiary education strategy. In anticipation of new funding arrangements in 2004, we have introduced a research fellowships scheme to strengthen our applied research capacity, and have been active participants in the pilot exercise on charters and profiles.

Our commitment to dual-sector university education (spanning the full range of programmes from certificates to doctorates) and the emphasis on collaboration within the sector has led us to take what may be one of the most significant steps in our history, entering merger discussions with Auckland University of Technology (AUT).

As we enter 2003, a year which may culminate in momentous change, it is reassuring to look back on 2002 and see what we have achieved. I know that, whatever the outcome of the merger discussions, UNITEC staff and students have succeeded in creating a world-class university-level organisation committed to innovation

and educational leadership in professions and industry sectors which are central to the development of a knowledge society.

## Export Education

Our involvement in the export education market has continued to grow very rapidly this year with international student EFTS reaching 2,565 EFTS, an increase of over 46% relative to the 2001 outcomes. International students now account for more than 25% of our total EFTS. Students from over 50 different countries have enjoyed participating in programmes on campus, with particularly strong interest being shown in English language programmes and in business and computing. UNITEC is now one of the leading providers of export education in New Zealand, earning around \$25.8 million in student fees alone. That income, when combined with other expenditure by international students, has helped contribute to the vibrancy of the Auckland scene, making UNITEC and Auckland a destination of choice for students from many countries and cultures around the world.

## Programme Innovation

During the year, we added to our portfolio of qualifications and continued to push the boundaries of innovation, meeting new and evolving market needs for technologically up-to-date education that can be immediately applied in the workplace. Many of the new programmes have been developed to meet the needs of industry, employers and students seeking relevant professional qualifications at advanced university levels. In addition to our PhD in Education, we have developed a Doctorate in Computing to meet demand for growth in this industry and contribute to the knowledge economy.

Other new postgraduate programmes developed include the Master of Architecture, Master of Design, and Master of Landscape Architecture, all based on the successful Masters by Project model pioneered by RMIT. Also, in 2002, students began the Master of Osteopathy and the Master of Health Science (Medical Radiation Therapy). All these professional postgraduate programmes cater to niche markets that have not been well served in more traditional university settings.

Innovation has also continued at the bachelor level, with several new programmes being approved or under development. The Bachelor of Design Technology and Bachelor of Applied Animal Technology were both approved by NZQA and will take their first enrolments in 2003. The development of the Bachelor of Applied Technology is also well underway, building on the solid foundations of the Certificate of Applied Technology and the Diploma of Applied Technology. The degree, which is a new direction for UNITEC and for New Zealand, will provide a pathway to higher-level study for trades-qualified people seeking professional development and higher education within an industry culture. The lack of appropriate training

opportunities in the past has meant that people seeking such development have had to transfer to learning pathways in other disciplines, resulting in a loss of focus and momentum. Employers and industry stakeholders have strongly supported this development, and we look forward to contributing to what has previously been a neglected area of education.

## Graduates 2002

Our three degree graduation ceremonies were held on 10 April 2002, and over 600 graduands received degrees, graduate and postgraduate diplomas. The guest speakers were Nevil Gibson, Pat Walsh and Prof David Wilson. Graduate destination surveys in 2002 again showed that our programmes of study are strongly linked to labour market needs. Almost 85% of respondents to our annual survey were working in an area that was moderately or highly related to their UNITEC qualification. Over 60% of graduates in full-time employment were working in a related area during their study at UNITEC, clear evidence that our programmes are developing the capabilities of the existing workforce as well as creating work-ready graduates.

## UNITEC@Waitakere

A Memorandum of Understanding was signed between UNITEC and Waitakere City Council at a ceremony on 11 October 2002. This document records our intention to work in close collaboration, to address shared challenges, and to foster the social, economic and environmental development of the city. David Cunliffe, MP for New Lynn, addressing the group, expressed strong support for the directions being pursued by the City Council and ourselves.

In fact, UNITEC and Waitakere City have been working closely together to develop a major tertiary education presence in West Auckland as well as examining areas where the two organisations could undertake mutually beneficial projects and programmes that address the growth needs predicted for UNITEC in the region and contribute to the social, economic and environmental development of the city. A joint library project is progressing well and will include the possible sharing of library space, access to collections and bibliographies in addition to teaching and learning space.

For example, one recent development has been the business incubator called WestSmart, which is a joint venture between Enterprise Waitakere, UNITEC, Waitakere City Council and Industry New Zealand. The initiative aims to help small businesses to get established and become profitable.

A Waitakere Regional Advisory Board will be established early in 2003 to advise and assist us to meet the needs of students, employers, and the regional community, foster interest and participation in tertiary education, and help maximise the contribution we can make to the development of the region.

## Research

A major strategic priority during the year has been action to strengthen our research base in order to ensure that UNITEC is in a sustainable position when the new research funding regime begins to take effect in 2004. Under the new scheme, bulk funding at degree level and above will be unbundled, and the notional 'research top-up' allocated to institutions on the basis of a performance based research fund. Sadly, this fund appears destined to concentrate on excellence without reference to relevance, which seems somewhat at odds with other government directions. Our strategy aims to support and encourage excellent applied research at UNITEC and focuses on promoting activities that maximise institutional returns and help young and emerging researchers to realise their potential.

Our share of the Strategic Change Fund provided by the Government in July 2002 was used in part to support applied research activities closely connected with our postgraduate programmes. A number of Research Fellowships were awarded to UNITEC researchers contributing to postgraduate programmes in fields as disparate as nursing, health sciences, landscape and plant science, management and entrepreneurship, accounting, law and finance, education, design, and construction. We aim by this strategy and through our professional programmes informed by research and advanced practice, to contribute to the government objectives of developing the skills and knowledge New Zealanders need for strengthening research, knowledge creation and uptake in our knowledge society. A number of our research successes are outlined in the following reports from our four faculties and the Applied Technology Institute.

## Conferences

Several important conferences were held on campus throughout 2002 including the annual ASCILITE (Australasian Society for Computers in Learning in Tertiary Education) conference. UNITEC was the first New Zealand institution to host the annual conference in 19 years. A conference timed to coincide with the huge international interest in New Zealand sport during the Louis Vuitton and Americas Cup series was the Conference on Human Performance in Sailing hosted by the School of Sport. Other major conferences held during the year were Flaxroots (community-based technology) in partnership with the Department of Internal Affairs; Autonomous Language Learning; Innovative Social Practice; Australasian Bridging Mathematics Network; and ANZTSR (Australia New Zealand Third-Sector Research).

## Charter and Profile

As part of the implementation by the Transitional Tertiary Education Commission (TTEC) of the government tertiary education strategy, UNITEC participated in the trial assessment of charters and profiles. Charters and profiles will become one of the key tools for management of publicly funded tertiary education under the new



regime, replacing the existing charter that contains the institution's goals and the Statement of Intent for 2003 - 2005.

The draft charter sets out the mission, vision, distinctive character and values of UNITEC and defines our place within the New Zealand tertiary education system. The profile offers supporting information including the strategic direction determined by our Council and senior management team after extensive consultation with internal and external stakeholders, and provides the goals, objectives and performance measures needed to constitute an annual statement of service performance for accountability purposes.

Our distinctive character within the sector, including our focus on high-quality teaching and research, in an applied and vocational framework, and our demonstrated and well-established commitment to Maori and Pasifika education, mean that we are remarkably well placed to support the achievement of all seven key goals set out by government in the tertiary education strategy. We are:

- Comprehensive, with a full range of programmes from certificate to doctoral level;
- Applied, with a university-wide commitment to professional and vocational education;
- Responsive to the needs of students and of the communities in which they live and work;
- Focused upon student-centred teaching and learning informed by research and practice;
- Accessible, with extensive provision for articulation, credit transfer and flexible learning;
- Innovative, with a focus on applied research that serves social and economic goals;
- International in our curriculum, culture, connections and academic standards;
- Engaged in genuine and effective partnerships for Maori development;
- Committed to meeting the needs of Pasifika communities;
- Inclusive in our promotion and celebration of diversity.

Participation in the pilot has been worthwhile in helping us to cement the vision, mission, values and strategies developed during our jubilee initiative. This has now been incorporated into our formal strategic management and reporting and accountability documents. The pilot helps us prepare for the new environment following formal establishment of the Tertiary Education Commission.

## Campus Development

To meet the needs created by rapid enrolment growth, campus development has continued to be the focus of much attention this year. Over the past three years, UNITEC has invested \$26.8 million to develop world class facilities for students. The Student Learning Complex, a staged development, has been extended by a three-

storey 16-bay teaching block, with plans for a further five bays already underway.

A new Landscape and Plant Science facility has been commissioned, with stage two of a six-stage development now underway. In addition to new teaching spaces this will accommodate staff and offer excellent facilities for seminars and similar functions. Other developments include a new IT block that contains leading edge computing labs and a new home for the School of Sport. The School of Sport facilities, including teaching and office space, have been provided through an innovative joint venture between UNITEC, the Auckland Air Cadet Trust (AACT) and College Sport (part of the Auckland Secondary School Principals Association).

The student village accommodation opened at the beginning of 2002 proved extremely successful with occupancy rates being high. A further 132-bed student apartment development, undertaken as a joint venture with Ngati Whatua, opened in February 2003. This caters for the increasing demand from students wishing to take advantage of the excellent facilities offered on campus and elsewhere in the neighbourhood.

Our marae development is progressing with the welcoming of Tangata Whakairo, Lionel Grant, to UNITEC in February. The marae vision is now well developed with consultation and research into the historical setting of the marae being undertaken throughout the year. We eagerly await the fruition of design and construction of this, the heart and spiritual centre of our campus.

## Environmental Management Policy

For many years our commitment to the idea of sustainable and responsible environmental management has provided an informal philosophical platform for campus development and construction plans. This year, based on the work of many dedicated staff, we have developed a framework to enact and monitor these commitments.

The eco-campus concept has already provided an informal basis for decision making in relation to campus development, relying strongly on staff commitment. This has now been formalised in a statement of principles accepted by Council, which will become the basis for the development of an environmental management policy and plan. The policy and plan will formalise our commitment to sustainability and responsible environmental management and provide a framework to give effect to our ideals and monitor the outcomes. The principles have emerged from extensive consultation with staff and students across the campus and with local community representatives.

Key principles include promoting health and well-being of the campus community and its environment, utilising principles of integrative management and design, maximising environmental,

social and economic benefits of activities on campus, and eliminating any environmental damage that results from campus activities. Other principles include maximising the efficient use of resources and pursuing greater self-sufficiency in selected resources such as water and energy.

## Partnerships – International Development

During the year UNITEC has continued to be active in nurturing international partnerships in the tertiary education sector. As a member of the International Association of Universities, we have taken an active role in forums as part of the international academic and tertiary management communities.

A major development during 2002 was the establishment of closer relationships with sister institutions in South America. For example, we concluded an Inter-Institutional Agreement of Cooperation with the Instituto Tecnológico y de Estudios Superiores de Monterrey, Mexico. The agreement is designed to facilitate collaboration in areas of mutual interest in order to enhance the learning experiences of students and the professional development of staff. Results were swift, since we hosted guest lecturer Dr Carlos Scheel from ITESM on campus for six months later in the year. His special area of expertise is creating wealth from information technology, which provides an excellent strategic fit with our goal of contributing to the development of a knowledge economy in New Zealand. Student exchange programmes have also begun, with several students enrolling for study in the second semester.

The Fanzhidu School in Beijing, established under our academic umbrella in 2001, has proved extremely popular with English language students in China. The school was recently presented with the Top Ten Best-loved Language Training Schools award, at a ceremony in Beijing. With over 3,000 English training schools to choose from in China, it is a real tribute to our staff and the quality of the UNITEC programmes whose delivery they oversee. Further developments in China have included an agreement of cooperation with Bell University in Jiangsu Province. This is likely to lead to the local delivery of the first one or two years of certain major UNITEC programmes, with students completing their studies here in Auckland. Similar agreements with several other universities in China were at an advanced stage of negotiation by the end of 2002.

Our partnership with the Royal Melbourne Institute of Technology (RMIT) in Melbourne continues to reap rewards with our new School of Electrotechnology having been established without a large investment in programme development, thanks to leading edge curriculum and teaching materials made available by RMIT. This sharing of development skills and expertise has allowed us to get

support from many Australian industry groups. The Bachelor of Applied Technology, currently under development, is also being undertaken in close collaboration with RMIT. The degree course is planned to be offered on both sides of the Tasman.

Other partnerships with universities throughout the world have continued to develop during the year including that with the European Business School (EBS), near Frankfurt. We welcomed 22 students from EBS to complete a semester of our Bachelor of Business or a year of the Master of Computing double degree with EBS. Many EBS students now view the partnership with UNITEC as their first preference of EBS partnerships with prestigious universities in thirteen countries.

## Partnerships - Industry and Community

During the year our links with industry and the community continued to bloom and bear fruit. In addition to the smooth operation of our advisory committees comprising key industry leaders and stakeholders, a number of specific partnerships were extended to benefit UNITEC students and the industry. For example, the School of Electrotechnology received significant help in its establishment from Schneider Electrical (NZ) Ltd. This has enabled our students to work with state-of-the-art equipment and enter the workforce with a good understanding of industry standards.

The School of Community Studies has undertaken a partnership agreement with the James Family Trust, the non-profit arm of Presbyterian Support Services. Under the agreement, the Trust will supply work placements for 28 UNITEC students enrolled in the Bachelor of Community Studies each year. The School of Sport has furthered a number of partnership opportunities that will assist students and members of the sporting community. In addition to relationships with the Tall Blacks and Squash New Zealand, partnerships have evolved with College Sport, which will include club rooms, and use of our sports fields, and the Football Kingz, who are now based on campus.

## Management

In addition to the developments outlined above, we continue to refine our business processes to ensure that we are providing an efficient administration service for students. Web enrolment was launched as a pilot during October, with students from the Faculty of Business re-enrolling online through a secure internet site, called myUNITEC. This portal offers a user-friendly interface to our PeopleSoft student management system. Participating students were also able to access their course results through the site. Positive feedback has been received from users, and web-based enrolment services will become available to all students enrolled in formal programmes during 2003.

## Future Developments

As previously mentioned, in November 2002, the Councils of UNITEC and AUT decided that a preliminary study of the potential costs and benefits of a merger was sufficiently compelling to justify the preparation of a comprehensive academic and business case for a possible merger. Both Councils agreed to a process, including a series of checkpoints at which they would evaluate whether to move to the next step or not. Both were concerned to ensure that staff and students became fully involved in exploring the proposed merger. A joint steering group developed a consultation plan to ensure that advice would be obtained from a range of internal and external stakeholders. Much factual data has already been gathered in order to obtain a clear understanding of the educational profiles of the two institutions. This data, along with much other information acquired through the consultation process, will form the basis for a report to be submitted to both Academic Boards and Councils in the first quarter of 2003.

Quite separately from these discussions UNITEC and AUT have agreed to work together to support the development of a Whare Wananga proposed for Hoani Waititi Marae in West Auckland.

## Conclusion

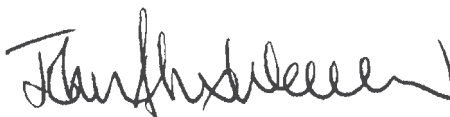
On behalf of UNITEC, I would like to thank the UNITEC Council, under the leadership of our chairman John Robb, for a further year of excellent governance of the institution, steering us through interesting times strategically as we continue our development. The

skills, expertise and commitment that members of Council bring are a significant asset. This, combined with experienced and committed staff and senior management, ensures that we continue to grow and develop to meet our shared vision of being the most innovative and exciting university in Auckland. The results for 2002 once again demonstrate the level of our achievement in pursuit of our objectives.

## Farewell

It is with a great sense of personal loss and sadness that I have to conclude this report by referring to the passing, in January 2003, of Sir John Turei, our Kaumatua, and our great friend. Koro John, as he was universally known here, was largely responsible for changing the face of UNITEC, making it an institution that is proud to honour the Treaty of Waitangi through our partnership agreement Te Noho Kotahitanga. We are all privileged to have known and worked with him.

Kua hinga te totara nunui o te wao nui a Tane. Ko te poutokomanawa o te iwi Maori, o te Whare Wananga O Wairaka. E te Matua e Koro, haere atu, ki te wa e u ai te moe, e moe.



**Dr John Webster**

President and Chief Executive

# Faculty Reports

## Faculty of Architecture and Design

*The Faculty of Architecture and Design comprises the Schools of Architecture, Construction, Design, Engineering, and Performing and Screen Arts.*

The Faculty experienced a further year of relative EFTS stability, with some growth in the School of Construction, further evidence of the growing need for qualified professionals within the construction industry.

A number of innovations have taken place during the year that will broaden the range of programmes available to students wishing to further their qualifications within the Faculty. Two new masters programmes were approved by NZQA. The Master of Design and the Master of Architecture focus strongly on professional development that is industry specific. These master by project qualifications allow people employed within the industry to complete work-relevant research at a postgraduate level that is directly applicable to the workplace. Other programmes developed during the year include the Bachelor of Product Design and the Postgraduate Diploma in Design Enterprise, both aimed at maximising the commercial opportunities that result from creativity and innovation within the New Zealand economy.

Seven staff within the Faculty received support through the Research Fellowship. This will enable the Faculty to make substantive research progress and support research underpinning postgraduate programmes. Some advances this year include Dr Joanne Drayton, from the School of Design, publishing a book on the work of Rhona Haszard, a vibrant artist with an extraordinary life. The School of Engineering's Jonathon Leaver and the team at the Centre for Sustainable Engineering Initiatives received a \$200,000 grant for research into future scenarios for the introduction of hydrogen fuel cell technology in New Zealand. The team will look at how the fuel cells can be used to replace petrol powered vehicles, reducing the amount of emissions going into the atmosphere.

The Faculty's professoriate has been boosted with the appointment of Professor Graham Smith, from the University of Natal in South Africa, as Head of the School of Engineering. Faculty Professors continued to provide input into projects that impact on worldwide issues. Professor Russell Kenley, from the School of Construction, undertook a study tour to Curitiba (Brazil) as part of a tour organised by the Parliamentary Commission for the Environment. Associate Professor Dushko Bogunovich was appointed an expert consultant with the United Nations Development Programme.

Many of the Faculty's students received recognition for their outstanding achievements. Damon Bridger, graduating student from the Bachelor of Architecture, was awarded a fellowship at Notre

Dame University in the United States where he will study for a Master of Architecture. David Stewart, a final year student in the Bachelor of Design, won the Trust Waikato Contemporary Art Award with his work titled "Hyperreal Tool Box for the Reinvention of a Transglobal Empire in a Parallel Universe". Creating much controversy in the art world, David's work consisted of five handmade beer crates and bottles of home brew.

## Faculty of Arts and Social Sciences

*The Faculty of Arts and Social Sciences provides multi-level programmes in the arts, languages and social sciences.*

The Faculty experienced considerable growth in EFTS with an increase of 27% taking the EFTS total to 2540 from just over 2000 the previous year. This growth occurred in languages, English and applied linguistics, education, and Puukenga, our school of Maori Development.

UNITEC's first doctoral student enrolment took place this year with the commencement of PhD study in the School of Education. A number of new programmes were developed and approved including the Master of Social Practice, Bachelor of Arts (Maori) and Bachelor of Arts (English as an Additional Language), and Graduate Certificate in English as an Additional Language.

International education was again a focus for the Faculty with the sustained growth in demand for English language programmes. Entry to export education is often determined by the International English Language Test Score or IELTS, of which UNITEC is a major tester in the Auckland region. The IELTS Australia Board selected UNITEC IELTS Centre for an Encouragement Award for effectively meeting current demand challenges so well. IELTS testing has been undertaken at UNITEC since 1992 when there were some 58 candidates. In 2001 there were 3,470 candidates and in 2002 some 7,356 candidates were tested. The provision of accurate and reliable testing for students wishing to enter tertiary education in New Zealand is an essential element of the export education market. There was also considerable domestic demand for English as an additional language programmes driven by the large increase in new migrants in the Auckland region over the past few years. Knowledge of language and culture is especially important for successful settlement and UNITEC's English as an Additional Language programmes make an important contribution.

Increasing Maori participation and success in our programmes is a key UNITEC goal, with this in mind the Faculty appointed Ella Henry as Head of Puukenga, School of Maori Development. In addition to running Maori development programmes and courses, the school is involved in a number of major strategic projects within the institution including the marae development and the pilot charter and profile

development. Te reo classes have been offered free to the community for the first time in an attempt to broaden access to our courses. These have been very well received.

Success and retention of Pacific Island students is part of our equal educational opportunities commitment. A number of Pasifika-focused programmes have been developed to attract and retain students. A number of programmes have been developed by our Pasifika co-ordinator and Te Tari Awhina, Learning Support Centre. One such programme was the Pasifika homework centre run at UNITEC@Waitakere. This involved Year 11 to 13 Pasifika students from five West Auckland secondary schools receiving extra assistance with their homework every Wednesday night at the Henderson campus.

Among the many research outputs produced by the Faculty was the work of Jens Hansen from the School of Education whose informal history of the rural activities programme was published this year. The book titled "So Shall They Reap," offers an interesting read for anyone with a background in rural education including those that remember trying to train livestock to heel for their primary school's calf day! School of Education researcher Tanya Fitzgerald was visiting scholar at the University of Western Australia in Perth. She delivered a number of papers and public addresses and conducted research with Aboriginal women involved in educational leadership.

The School of Languages again hosted Professor Philip Riley from Nancy University, France, a world-renowned expert in autonomous learning, second language acquisition, bilingualism, and learner advising. He was a special guest speaker at the very successful national Autonomous Learning Symposium held at UNITEC with papers recently published as "Autonomous Learning: here and there, here and now - Proceedings from the Autonomous Learning Symposium". The symposium covered the theoretical and practical aspects of learner autonomy, from a broad range of perspectives, with European, New Zealand and Asian presenters, representing the teaching and learning of English, Mandarin, Japanese, Spanish, German and community languages. Topics incorporated such diversity as computer technology, learner advising, cultural differences, language teaching and language learning. This was a highly significant series of presentations given the current growth in the number of language students in New Zealand.

The Australasian Bridging Maths Conference was held on campus during July. The purpose of the conference was to share research findings and best practice in the area of bridging mathematics. The conference was jointly organised by Manukau Institute of Technology, Auckland University of Technology, the University of Auckland and UNITEC, and hosted delegates from throughout New Zealand and Australia.

The Australia New Zealand Third Sector Research (ANZTSR) conference was held during November. This major third sector conference brought together researchers in the community, voluntary, not-for-profit, and non-government organisations (NGO) sectors throughout Australasia. World-renowned expert John Pearce facilitated an opening workshop.

## Faculty of Business

*The Faculty of Business offers programmes in management and entrepreneurship, operations management, computing and information technology, accounting and finance, communication, human resource management, sales, small business management, real estate, marketing management, office administration, travel and tourism, and general business programmes.*

The Faculty experienced strong growth in EFTS with over 19% more EFTS than the previous year, primarily as a result of particularly strong international growth across all disciplines. The Faculty has expanded the breadth of disciplines with the inclusion of a fourth school, the School of Communication, formerly with the Faculty of Arts and Social Sciences. This has strengthened the Faculty in terms of research and teaching excellence as well as providing a more comprehensive coverage of business-related disciplines, and student learning synergies. Other changes within the Faculty include the School of Information Systems and Computing changing its name to the School of Computing and Information Technology.

Key staff appointments taking place during the year have enhanced the management and expertise available within the Faculty. Dave Hodges was appointed as the Associate Dean (Planning and Quality), a new position. Professor Pieter Nel, a respected leader in entrepreneurship education from South Africa, was appointed Head of the School of Management and Entrepreneurship. The School of Communication appointed Dr Yunxia Zhu as its first Associate Professor (in International Communication), and Diana Mead was appointed to the new position of Associate Head of School.

A number of new programmes were developed and implemented including the Graduate Diploma in Leadership (Maori Development) which was approved by NZQA and the first cohort of students commenced in October. The Graduate Diploma in Computing was also approved by NZQA and commenced in semester one 2002. After extensive development, UNITEC's first professional doctorate (in computing) was approved by NZQA, and teaching will commence in 2003. These programmes all fill gaps within specific industry niches for professional development training of a high calibre that will enable the development and continuous improvement of the labour market.



The Faculty's research centre, the Centre for Innovation and Entrepreneurship, recently published the Bartercard New Zealand Global Entrepreneurship Monitor (GEM). This research is the most comprehensive country-by-country comparison of entrepreneurship in the world. Supported by the London Business School and 160 researchers around the world, the GEM Report compares New Zealand with 36 other countries. Professor Howard Frederick, Associate Professor Peter Mellalieu, and Peter Carswell and the GEM team have been actively involved in promoting the research findings within New Zealand and ensuring that their work is directly applicable to the current policy environment and within the economy generally.

The Faculty held several international conferences and seminars. The School of Computing and Information Technology hosted the highly successful ASCILITE conference, which attracted over 300 delegates from New Zealand and around the world. The School of Accountancy, Law and Finance held joint forums with visiting professors from RMIT and the University of Tennessee, and was host to visiting senior staff from the National University of Samoa.

Students achieved a number of successes during the year both nationally and internationally. A team of Master in Business Innovation and Entrepreneurship (MBIE) students won the Students in Free Enterprise (SIFE) New Zealand National Championships and went on to compete in the international competition finals in Amsterdam. A number of students have been selected to participate in international student exchange programmes in computing and business and will study at European business schools in Sweden and the Netherlands in early 2003.

The Faculty has done much to make its courses and programmes as accessible as possible to a wide range of learners. The offer of free computing courses to the general public (E4Free) and gaining accreditation as an International Computer Driving Licence testing centre meant that many more people will gain computer literacy. The School of Computing and Information Technology has also made franchise arrangements with the Bay of Plenty Polytechnic that enables the polytechnic to offer UNITEC's Bachelor of Computing Systems.

The School of Accountancy, Law, and Finance has maintained its involvement in the management of the Professional Accounting School (PAS) contract with ABEL, a subsidiary of the Institute of Chartered Accountants of New Zealand (ICANZ). The School develops the study plan and workshop materials for this innovative programme, leading to a membership qualification with the top college of ICANZ.

## **Ngaa Kaawai Oranga, Faculty of Health and Environmental Sciences**

*Ngaa Kaawai Oranga, Faculty of Health and Environmental Sciences provides a variety of programmes for students with interests in health science, sport, animal health, landscape design, and plant science.*

The Faculty of Health and Environmental Sciences experienced relative stability in EFTS, with some growth occurring in the School of Sport. Restructuring within the Faculty during 2001 culminated in the establishment of two new schools officially launched on 1 January 2002. The School of Health Science headed by Dr Denise Dignam, incorporates the disciplines of nursing, mental health, medical radiation technology, osteopathy, a nanny programme and biosciences. The School of Animal Health and Welfare, headed by Dr Judith Nicholson, includes veterinary nursing, animal welfare and wildlife management.

There was considerable innovation in teaching and learning with several new programmes being introduced including the Master of Osteopathy, the Master of Health Science (MRT), the Bachelor of Resource Management, and the Certificate in Agrichemical Applications. A number of key programmes were accredited during the year with teaching set to commence in 2003 in the Master of Landscape Architecture, the Master of Health Science (Nursing), the Bachelor of Applied Animal Technology, and the Certificate in Animal Management (Canine Behaviour and Training).

Six adjunct professors provided support for research and programme development, Dr Gay Williams (Nursing), Dr David Patriquin (Osteopathy), Dr Victoria Elfrink (Curriculum Technology Nursing), Associate Professor Janice McKay (Medical Imaging), Haikai Tane (Sustainable Development) and Professor Robin McConnell (Sport), and the recently-appointed Professor Ian Cornforth (Plant Science).

The Faculty continued to increase its research outputs and held a number of workshops that have direct benefit scientifically and within the wider community. The School of Landscape and Plant Science hosted the National Organic Research Workshop with guests from several government ministries, Crown research institutes, tertiary institute providers and private consultants. Other New Zealand-based research includes collaborative research with Massey University on plant collections, projects in wildlife health and animal welfare with Auckland Zoo and the Department of Conservation, and the implementation of Nightingale Tracker technology with the Asthma Society.

International collaborative research projects are underway with the University of California, Davis on strawberry research, City University, London on medical radiation technology, Chandigarh College of

Architecture, School of Planning and Architecture, Delhi and Punjab Engineering College on the sustainable retrofitting of the city of Chandigarh, India, and the Fuld Institute of Technology in Nurse Education, Athens, Ohio on the Nightingale Tracker.

The School of Sport has been particularly successful in building mutually beneficial relationships within the industry and the community. A formal partnership has been undertaken between UNITEC and College Sport. The Ventura Project will have the Air Training Corps and College Sport based on campus in a complex that includes classrooms, tutor offices and extra facilities for the School of Sport and offices for College Sport and the Corps. An agreement with Sport Auckland (Regional Sports Trust) has led to working with secondary sports co-ordinators and may result in a number of short courses. This work also has a strong link with the new Crown agency – SPARC (Sport and Recreation New Zealand).

The School has also formed a partnership with the Football Kingz. This will result in the Kingz basing their headquarters on campus and using the facilities for training. A development squad of young players is planned and students from the Certificate of Athlete Development may be able to use that as a pathway into the Kingz team.

A number of students from the School of Sport's Certificate in Athlete Development Programme achieved selection as members of national teams in 2002 or attended world competitions in their respective sports – Luke McAlister, NZ under 19 and 21 Rugby Teams; Michelle Kingi, Women's Softball World Series (White Sox); Martin Knight and Oliver Johnston, Junior Men's World Squash Tournament (India); Victor Ioane, Cook Islands Rugby 7's at 2002 Commonwealth Games; Stacey Tate won the South Island Age Group Golf Tournament and played in the New Zealand women's golf inter-provincials. Vivian Wickham was selected for the Solomon Islands Soccer Team, Cook Islands golf champion Campbell Cecil was named in the 2002 Auckland Under 23 golf team and Ngamoko Hiku and Michelle Kingi represented the NZ Junior White Sox softball team in Australia.

## **UNITEC Applied Technology Institute**

*The UNITEC Applied Technology Institute (UATI) provides a wide range of vocational trade and technical education and training programmes in automotive engineering, electrical engineering, electrotechnology, carpentry, plumbing, gasfitting, drainlaying, welding, marine technology, joinery, furniture making, painting, decorating, drywall systems, and composite engineering.*

The Applied Technology Institute experienced strong growth over 2002 with EFTS increasing by almost 29% to a total of 1,209 EFTS. Growth was particularly strong in building technology programmes,

electrotechnology, and generic applied technology courses.

The School of Electrotechnology which was established and began operation in semester two last year, increased enrolments by almost 600%. New programmes within the School include the Certificate in Applied Technology (Electrotechnology), the National Certificate in Electrical Engineering (Electrician) (Level 4) and the Certificate in Electrotechnology (Level 2). Sponsorship has been received from Schneider Electric, one of the world's leading manufacturers of equipment for electrical distribution, industrial control and automation. This sponsorship and ongoing commitment to electrotechnology training at UNITEC means that students are being trained to industry standards using leading edge industrial components.

Programme innovation within the Faculty has been extensive as applied technology training and education is revolutionised to meet changing industry needs. The Certificate in Applied Technology (CAT) was delivered for the first time in 2002. This programme was developed to provide tradespeople with a programme that has more sound educational foundations than the previous unit standards-based programmes of the past decade. The CAT includes endorsements in automotive engineering, carpentry, electrotechnology, furniture making, interior décor, joinery, plumbing and gasfitting, welding and fabrication, and marine engineering systems. Almost 300 students were enrolled in the first year. The marine engineering systems endorsement will accept enrolments for 2003.

Industry response has been overwhelmingly positive and encouraging. The content of compulsory generic courses was seen to have particular merit with industry representatives reinforcing the need for graduates to have skills in health, safety, communication, cultural sensitivity and information technology. These together with the sound technology-based courses, are generating graduates well suited to industry needs.

A further innovation in programme development is the revolutionary concept of degrees for the trades in the area of applied technology. This new direction for UATI and UNITEC is supported by research into the needs of trades and related sectors. It identifies a strong need for professional development and higher education within the industry culture. UNITEC's leadership and innovation in trades' education is reinforced by this initiative. Forty-two polytechnics and private training enterprises (PTE's) currently use our delivery materials, which means there is the potential to develop a qualification for nationwide participation.

Melbourne's RMIT has a keen interest in this development and has been an integral part of the development team. They too have identified the need, along with the opportunity, to enhance their

leadership position in the trades. While research and development of the degree concept have been progressing over the past 18 months, more intensive development should see the first cohort of students begin the degree in 2004.

A number of staff and students achieved success with their research and study. Dr Mouafak Zaher was awarded the prestigious Ludwig Mond Prize by the Institute of Mechanical Engineers for his paper on calculating the characteristics of the radial flow pump. Mark Tucker has a provisional patent registered against his acoustic wallboard product development. Kaelash Kumar, a UNITEC student studying the National Certificate in Automotive Engineering, won the automotive section of the Skilllex Regional Competition at Manukau Institute of Technology (MIT). Joinery student Greg Allnatt was named Outstanding Joinery Apprentice of the Year in UNITEC's annual apprenticeship awards.

The Faculty has developed a number of collaborative partnerships with other tertiary education institutions, businesses, and the community. These enhance the delivery of programmes to students throughout the country. The School of Building Technology has developed good relationships with Marley New Zealand Ltd, Benjamin Moore Paints, the Mico Group of Companies, and Plumbing World Ltd. These companies provide a range of support such as much-needed materials, use of laboratories, and awards for top students.

Partnerships within education include an agreement with Southland Institute of Technology to develop electrical engineering courses and a collaborative partnership with RMIT to jointly develop courses in

avionics, electronics, and mechatronics. Partnerships in the community have led to 20 students and three staff working with Tower Insurance in the reinstatement of Thames after flood damage struck the community in July.

The School of Building Technology has signed an agreement with Site Safe New Zealand to administer all site safe courses throughout New Zealand. Plumbing staff within the School have been instrumental in developing standards for plumbers and gasfitters which will be launched this year. In addition they developed a distance-learning package for plumbing and gasfitting. The purpose of this was to develop skills that enable workers to efficiently and effectively find, evaluate and apply information to familiar and new situations.

While current emphasis is being put on developing degree level qualifications jointly with RMIT, we remain firmly committed to maintaining the pre-employment, entry level qualifications which provide the foundation qualifications for the skilled trades. We have identified that employers in the industry on both sides of the Tasman are looking for people with a higher level of sophistication than in the past. In developing our portfolio of qualifications we can offer a path from level two through to level seven on the NZQA framework of qualifications. We predict that our level two pre-employment programmes will remain our largest programmes with more people extending themselves over the life of their career. Many of our tradespeople are also becoming self-employed and require more of a holistic approach to operating their own businesses in a rapidly changing technology environment. A survey of current students indicates that over 60% of them intend, at some stage in their career, to complete the bachelors degree.

# Obituary

## Ta Te Ahikaiata Hoani Turei

KNZM, CBE, QSM, Hon PhD, Hon BIC

Sir John Joseph Te Ahikaiata Turei, a respected Maori leader and Kaumatua to UNITEC Institute of Technology, died peacefully on Saturday 18 January 2003. Sir John dedicated his life to his people, particularly to the development of Maori youth through education.

Born in 1920 in the eastern Bay of Plenty, the heartland of his Tuhoe people, he grew up in Ruatoki speaking Maori and absorbing Maori philosophy, history and tradition. As a young man he travelled New Zealand with Sir Apirana Ngata and lay down the challenge (wero) of the marae before Governor General Lord Bledisloe at the inaugural Waitangi Day in 1934. He joined the Maori Battalion in 1939 and saw service in the Middle East and Italy.

On his return to New Zealand, Sir John settled in Auckland and rigorously championed the cause of Maori youth living in the cities, encouraging them to regain their heritage through education at all levels and through all media. A member of the Waitangi Tribunal and the Crown Forestry Rental Trust Advisory Committee, he was a pioneer in Maori broadcasting and, through communication and education, he contributed significantly to innovative change in justice and race relations, education and health, sport and recreation, and the development of iwi business management.

He worked extensively with schools, polytechnics and universities. As UNITEC's Kaumatua, Sir John inspired the creation of Te Noho Kotahitanga, a set of challenging values for staff and students, based on the Treaty of Waitangi. Through his work on the UNITEC Council and Runanga he provided the visionary leadership that brought life and meaning to our partnership between Maori and other cultures. UNITEC's Te Puna Reo o Wairaka and marae development are examples of his legacy.

Sir John was awarded a Bachelor of International Communication honoris causa in 1998 by UNITEC for his contribution to the field of communication both within and beyond New Zealand. In November 2002, UNITEC again acknowledged Sir John's contribution to the field of education with an honorary doctorate.

Sir John Turei had a distinguished record in peace and war, in education and community development, in local and national affairs. He possessed qualities of mana and wisdom at the highest level. Known to staff and students as Koro John, he was greatly loved and respected. He changed the face of UNITEC forever.

Haere e te koroua! Ki te poututanga nui a Piripi, ki te urunga e kore nei e taka, ki te moenga te whakaarahia. Waiho ma te hunga i mahue i muri e whai atu i o tapuwae, e tutuki i o wawata. Ma muri nei koe e korero. Ma muri nei koe e whakaaro. Ko koe te pou whakahiwa o Te Whare Wananga O Wairaka.  
Haere e Koro ki te whatu o te ahura na...e!

Farewell o elder! To the zenith of Piripi, to the pillow that never slips, to the resting place where there is no rising. Let we who are left behind follow in your footsteps achieve the challenges you have promoted. We will continue to speak of you and to think of you. You were the pillar of wisdom and inspiration for UNITEC.  
Go to the final resting place.

## Te Noho Kotahitanga The Partnership

### Kupu Whakataau

Ko te Tiriti o Waitangi te kawenata mo to tatau motu, Aotearoa.

He kawenata whakahirahira, ko te Whare Wananga o Wairaka e tautoko ana i te noho kotahitanga a te Maori me te Pakeha.

Ko te Whare Wananga o Wairaka ka u tonu ki te whakamana i nga kaupapa me ona puawaitanga.

### Rangatiratanga

E whakarite ana te Whare Wananga o Wairaka ki te putake ake o te rangatiratanga o te Maori me nga matauranga Maori.

### Wakaritenga

E whakarite ana te Whare Wananga o Wairaka ki te mana o tena, o tena, ki te noho kotahi, ki te puaki i tona ake reo, ki te whakamahi i nga rawa mo nga iwi katoa.

### Kaitiakitanga

E whakarite ana te Whare Wananga o Wairaka ki te kaitiakitanga o nga taonga matuaranga.

### Mahi Kotahitanga

E whakarite ana te Whare Wananga o Wairaka kia tau he ngakau mahaki i roto i nga mahi katoa

### Ngakau Mahaki

E whakarite ana te Whare Wananga o Wairaka ki te whakanui i nga taonga tuku iho nga ao e rua, a hikoi ki mua

Ko te Maori me te Pakeha e mahi tahi ana mo te Whare Wananga o Wairaka

### Preamble

The Treaty of Waitangi is the founding document of New Zealand.

UNITEC acknowledges the great importance of this living, dynamic document and will continue to respect and promote the equal standing which it confers on Maori and Pakeha.

UNITEC will put the following values into practice in pursuing its goals:

### Authority and Responsibility

UNITEC accepts the principle that Maori have authority over and responsibility for all teaching and learning relating to the Maori dimensions of knowledge.

### Legitimacy

UNITEC believes that each partner has a legitimate right to be here, to speak freely in either language, and to put its resources to use for the benefit of all.

### Guardianship

UNITEC accepts responsibility as a critical guardian of knowledge.

### Co-operation

UNITEC affirms that a spirit of generosity and co-operation will guide all its actions.

### Respect

UNITEC values each partner's heritage and customs, current needs and future aspirations.

Maori and Pakeha working together within UNITEC.



## Statement of Responsibility

### Statement of Responsibility for the Year Ended 31 December 2002.

In the financial year ended 31 December 2002, the Council and management of UNITEC Institute of Technology were responsible for:

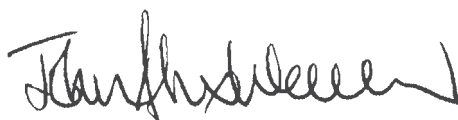
- The preparation of the financial statements and the judgements used therein
- Establishing and maintaining a system of internal control designed to provide reasonable assurance as to the integrity and reliability of financial reporting.

In the opinion of Council and management of UNITEC Institute of Technology, the Financial Statements for the financial year fairly reflect the financial position and operations of UNITEC Institute of Technology.



**A Dickinson**

Chairman of Council



**Dr J A Webster**

President and Chief Executive



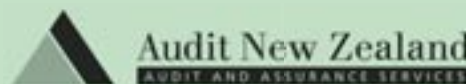
**O T Burnside**

Vice-President, Finance

Date: 30 April 2003



# Report of the Auditor-General



## **To the readers of the Financial Statements of UNITEC Institute Of Technology and Group for the Year Ended 31 December 2002**

We have audited the financial statements on pages 20 to 59. The financial statements provide information about the past financial and service performance and financial position of UNITEC Institute of Technology and group as at 31 December 2002. This information is stated in accordance with the accounting policies set out on pages 43 to 45.

### **Responsibilities of the Council**

The Public Finance Act 1989 requires the Council to prepare financial statements in accordance with generally accepted accounting practice in New Zealand that fairly reflect the financial position of UNITEC Institute of Technology and group as at 31 December 2002, the results of operations and cash flows and the service performance achievements for the year ended on that date.

### **Auditor's Responsibilities**

Section 15 of the Public Audit Act 2001 and section 43(1) of the Public Finance Act 1989 require the Auditor-General to audit the financial statements presented by the Council. It is the responsibility of the Auditor-General to express an independent opinion on the financial statements and report that opinion to you.

The Auditor-General has appointed M G Taris, of Audit New Zealand, to undertake the audit.

### **Basis of Opinion**

An audit includes examining, on a test basis, evidence relevant to the amounts and disclosures in the financial statements. It also includes assessing:

- the significant estimates and judgements made by the Council in the preparation of the financial statements; and
- whether the accounting policies are appropriate to UNITEC Institute of Technology and group's circumstances, consistently applied and adequately disclosed.

We conducted our audit in accordance with the Auditing Standards published by the Auditor-General, which incorporate the Auditing Standards issued by the Institute of Chartered Accountants of New Zealand. We planned and performed our audit so as to obtain all the information and explanations which we considered necessary in order to provide us with sufficient evidence to give reasonable assurance that the financial statements are free from material misstatements, whether caused by fraud or error. In forming our opinion, we also evaluated the overall adequacy of the presentation of information in the financial statements.

During the course of the year we provided tax review services for UNITEC Institute of Technology. Other than this assignment and in our capacity as auditor acting on behalf of the Auditor-General, we have no relationship with or interests in UNITEC Institute of Technology or any of its subsidiaries.

### **Unqualified Opinion**

We have obtained all the information and explanations we have required.

In our opinion the financial statements of UNITEC Institute of Technology and group on pages 20 to 59:

- comply with generally accepted accounting practice in New Zealand; and
- fairly reflect:
  - UNITEC Institute of Technology and group's financial position as at 31 December 2002;
  - the results of operations and cash flows for the year ended on that date; and
  - the service performance achievements in relation to the performance targets and other measures adopted for the year ended on that date.

Our audit was completed on 30 April 2003 and our unqualified opinion is expressed as at that date.

**M G Taris**

Audit New Zealand

On behalf of the Auditor-General

Auckland, New Zealand

THINKSPACE



# Performance Statements



FOR THE YEAR ENDED 31 DECEMBER 2002

# Statement of Objectives

## 2002 Corporate Goals and Objectives

### Goal 1. To be recognised as a university of technology.

UNITEC plans to become a distinctive university, appropriately named a university of technology, with a focus on applied, vocational and interdisciplinary programmes supported by applied research and strong industry interaction, in a high quality, flexible learning environment. UNITEC will continue to offer programmes at all levels from skills-based certificates through to postgraduate degrees in a wide range of disciplines.

**1.1** To meet the quantitative NZQA university guidelines by:

- Increasing the number of programmes offered and EFTS enrolled at postgraduate level
- Increasing the number of programmes offered and EFTS enrolled at undergraduate level
- Maintaining level 4 and 5 EFTS.\*

\* UNITEC provides ten levels of progression. Levels 3 to 5 equate to trade and technician training. Level 6 comprises more advanced technical and business qualifications. Levels 7 to 9 equate to more advanced qualifications of graduate and postgraduate standard, and level 10 equates to doctorate level qualifications.

**1.2** To meet the general NZQA university guidelines by:

- Increasing research outputs
- Increasing international associations
- Improving the academic qualifications of staff
- Increasing the learning and research resources of the Wagener Library.

### Goal 2. To grow by offering a wide range of applied programmes at certificate, diploma, and undergraduate and postgraduate degree levels.

UNITEC plans to promote growth and increased participation in tertiary education by offering a wide range of applied programmes at all academic levels. This will take place through extensive industry consultation to ensure relevance and currency. Particular emphasis will be placed on staircasing and articulation between qualifications to ensure that all students have the opportunity to meet their learning goals.

**2.1** To meet the total and bulkfunded EFTS enrolment targets by faculty by:

- Increasing school leaver enrolments
- Offering new undergraduate and postgraduate degrees
- Increasing international EFTS from new markets.

**2.2** To achieve balanced growth in sub-degree, undergraduate, and postgraduate degree programmes by:

- Offering new undergraduate and postgraduate degrees

- Maintaining level 4 and 5 EFTS.\*

\* UNITEC provides eight levels of progression. Levels 3 to 5 equate to trade and technician training. Level 6 comprises more advanced technical and business qualifications. Levels 7 and 8 equate to more advanced qualifications of graduate and postgraduate standard.

### Goal 3. To undertake applied research which informs teaching and improves practice.

UNITEC is committed to the development of a research culture that supports and encourages staff and student research. The institute's research plan emphasises applied research which informs teaching, especially at degree level, and contributes to practice in the wider community. Increasing emphasis will be placed on meeting international standards for research outputs, and generating income from external sources to support ongoing growth in research activity.

**3.1** To increase research outputs in all categories by:

- Increasing research funding
- Promoting research efficiency.

**3.2** To meet international standards of excellence in research by:

- Increasing research outputs via international media
- Establishing and seed funding research in key centres
- Running international conferences at UNITEC.

**3.3** To promote an industry focus and increase external funding by:

- Increasing external research funding.

### Goal 4. To assure the quality and relevance of our programmes and their delivery.

UNITEC has implemented a comprehensive quality management system to assure the quality of all aspects of its activities and satisfy the quality requirements of key stakeholders. Central to the Institute's quality initiatives is the UNI-Q Project and the establishment of a five-point plan for quality, incorporating a quality commitment to students, a comprehensive course and lecturer evaluation process (SEQUAL), and an essential feedback loop for quality improvement.

**4.1** To achieve external approval and accreditation for all submitted programmes by:

- Rigorous implementation of UNITEC's quality management system.

**4.2** To achieve improvement in teaching and learning by:

- Evaluating all courses and all lecturers each semester
- Reviewing all programmes on a five-year cycle.

**4.3** To monitor and improve the satisfaction of students with service provision by:

- Surveying students on an annual basis.

**4.4** To monitor the employment progress and satisfaction of students after their graduation by:

- Undertaking a graduate survey on an annual basis.

**4.5** To increase the application of technology to student learning by:

- Increasing the number of courses available on-line
- Expanding the use of multimedia.

**4.6** To maintain the relevance and viability of proposed and existing programmes by:

- Evaluating the enrolment patterns and cost effectiveness of each programme annually
- Consulting with industry and professions through advisory committees in all disciplines.

### **Goal 5. To provide support and equal educational opportunities for our students.**

UNITEC plans to enhance its provision of services for intending and existing students that assist them to make decisions about their education and career options, with special provision for students from groups under-represented in tertiary education. In addition, UNITEC will maintain specialist services for students in areas such as learning support and employment assistance, and specialist facilities such as sport and recreation, and Internet/computer access.

**5.1** To increase Pacific Island enrolments to at least 13% total enrolments by:

- Improving liaison and campus support.

**5.2** To meet targeted enrolments for women by:

- Encouraging enrolments from women in retraining.

**5.3** To meet targeted enrolments for disabled students by:

- Effective utilisation of the Special Supplementary Grant (SSG) for students with disabilities.

**5.4** To provide assistance to students experiencing financial hardship by:

- Administering a hardship fund.

### **Goal 6. To increase Maori participation and success in our programmes.**

UNITEC seeks to honour the Treaty of Waitangi through the support and encouragement it provides for Maori to participate and succeed in their tertiary education. Central to this goal is the establishment of Maia, the Maori Development Centre, at UNITEC, with the mission to encourage, support and guide Maori students, and work in partnership with faculties to increase Maori enrolments and retention.

**6.1** To increase Maori participation and success in UNITEC programmes through achievement of the Maori participation plan by:

- Providing a supportive environment for Maori
- Offering programme and programme delivery methods that are responsive to Maori
- Providing support to Maori students to enhance their prospects of succeeding
- Marketing programmes and liaising with the community to increase Maori knowledge of UNITEC and its programmes.

### **Goal 7. To procure and manage the physical and financial resources of the Institute effectively and efficiently.**

UNITEC places primary importance on the efficient and effective management of its resources by sound strategic, financial, and facilities planning, and a recognition of the importance of meeting both internal and external accountability requirements.

**7.1** To meet key financial performance targets by:

- Setting and monitoring budgets
- Careful management of capital assets
- Generating efficiency and productivity gains
- Increasing non-Ministry of Education (MoE) income streams.

**7.2** To meet key physical resource targets by:

- Maximising use of existing accommodation
- Monitoring use against AAPPA benchmarking.

**7.3** To meet external requirements for accountability by:

- Preparing the statement of objectives for MoE approval
- Publishing the annual report within legislated timelines.

### **Goal 8. To support and develop our staff and acknowledge their performance.**

UNITEC recognises the fundamental role that staff play in the realisation of its mission. It places fundamental importance on annual performance reviews coupled with relevant staff development and training, and provides a range of professional support mechanisms, including financial support for staff furthering their qualifications and for those presenting their research findings internationally.

**8.1** To provide opportunities to facilitate excellence in staff performance, by:

- Offering a comprehensive in-house staff development programme
- Supporting staff to upgrade their qualifications
- Annual staff awards
- Providing a special studies programme.

**8.2** To meet Institute EEO targets by:

- Implementing the 2002 EEO Plan.



## Output Classes.

Each year, UNITEC bids for EFTS funding from the Ministry of Education for the delivery of education, training, and accompanying research. The output classes under which UNITEC bids are:

1. Tertiary Education and Training – Undergraduate Courses
2. Tertiary Education and Training – Postgraduate Courses
3. Teacher Education and Training.

In addition to Ministry of Education funding, UNITEC also provides programmes that are fully funded by the consumer under output classes:

4. Training for Designated Groups
5. Tertiary Education and Training – Full Cost Recovery. This includes all international students.

These classes of output contribute to the following government outcomes:

- Excellence in tertiary education, postgraduate study and research
- Attainment of qualifications to enable all to participate successfully in the changing technological and economic environment

- A highly skilled workforce at enterprise and industry level to enhance New Zealand's international competitiveness
- Equality of educational opportunity for all to reach their potential and take their full place in society
- Success in learning for those with special needs
- Full participation and achievement of Maori in all areas of education
- Improvements in the effectiveness and efficiency of resource use in education.

## Achievement of the Statement of Objectives.

The achievement of the 2002 statement of objectives is detailed in the following sections of this annual report:

- The Year in Review 2002, which provides a broad narrative of the Institute's overall performance and an outline of the performance of the five faculties in 2002 (pages 4 to 14)
- 2002 Objectives (pages 20 to 22)
- 2002 Outputs (pages 22 to 23)
- 2002 Achievements, which provides a summary statement of service performance (pages 24 to 40).

# Outputs 2002

## Output Class 1: Tertiary Education and Training – Undergraduate Courses

		2002 Actual	2002 Target	2001 Actual
Quantity	Actual EFTS : target EFTS	1.04	>1	0.98
	Percentage growth in EFTS	7.4%	3.3%	0.47%
	Total EFTS	6,451	6,208*	6,005
Quality	Local approvals : submissions			
	Percentage NZQA/NZPPC approvals : evaluations	100%	100%	100%
	Percentage accreditation approvals : applications	100%	100%	100%
	Percentage of programmes (>0.5 EFTS) evaluated	100%	100%	100%
Cost	Total cost (\$m)	64.116	62.301	59.546
	Operating cost : EFTS (\$)	9,939	9,870	9,916

\* Original target 6312 EFTS

**Output Class 2: Tertiary Education and Training – Postgraduate Courses**

		<b>2002 Actual</b>	<b>2002 Target</b>	<b>2001 Actual</b>
Quantity	Actual EFTS : target EFTS	0.8	>1	0.89
	Percentage growth in EFTS	12%	36%	18.0%
	Total EFTS	169	206*	151
Quality	Percentage course approvals : evaluations	100%	100%	100%
	Percentage of programmes (>0.5 EFTS) evaluated	100%	100%	100%
Cost	Total cost (\$m)	1.595	2.287	1.322
	Operating cost : EFTS (\$)	9,466	9,569	8,755

\* Original target 239 EFTS

**Output Class 3: Teacher Education and Training**

		<b>2002 Actual</b>	<b>2002 Target</b>	<b>2001 Actual</b>
Quantity	Actual EFTS: target EFTS	0.89	>1	0.68
	Percentage growth in EFTS	64.7%	85.8%	84.8%
	Total EFTS	140	158	85
Quality	Percentage approvals : evaluations	100%	100%	100%
	Percentage of programmes (>0.5 EFTS) evaluated	100%	100%	100%
Cost	Total cost (\$m)	1.158	1.421	0.706
	Operating cost : EFTS (\$)	8,276	8,994	8,305

**Output Class 4: Training for Designated Groups**

		<b>2002 Actual</b>	<b>2002 Target</b>	<b>2001 Actual</b>
Quantity	Actual EFTS : target EFTS	1.02	>1	1.7
	Percentage growth in EFTS	(42.3%)	(43.3%)	10.9%
	Total EFTS	117	115*	203
Quality	Percentage course approvals : evaluations	100%	100%	100%
	Percentage of programmes (>0.5 EFTS) evaluated	100%	100%	100%
Cost	Total cost (\$m)	1.071	1.113	1.915
	Operating cost : EFTS (\$)	9,121	9,200	9,435

\* Original target 121 EFTS

**Output Class 5: Tertiary Education and Training - Full Cost Recovery**

		<b>2002 Actual</b>	<b>2002 Target</b>	<b>2001 Actual</b>
Quantity	Actual EFTS : target EFTS	1.18	>1	1.67
	Percentage growth in EFTS	44.0%	21.2%	44.6%
	Total EFTS	2,688	2,262*	1,865
Quality	Percentage course approvals : evaluations	100%	100%	100%
	Percentage of programmes (>0.5 EFTS) evaluated	100%	100%	100%
Cost	Total costs (\$m)	22.298	15.749	15.775
	Operating cost : EFTS (\$)	8,296	8,989	8,458

\* Original target 1752 EFTS

**Output Classes 1, 2, 3, 4 and 5: Time and Location**

Time: The reporting of performance targets for 2002 relates to activities completed within that year.

Location: Activities in relation to the performance indicators took place predominantly on campus at UNITEC Institute of Technology, Carrington Road, Mount Albert, Auckland, with some activities taking place at UNITEC@Waikare, Ratanui Street, Henderson, Waitakere City.

# Achievements 2002

## Goal 1. To be recognised as a university of technology.

While UNITEC has not yet achieved its goal of recognition within New Zealand as a university of technology, it continues to meet the NZQA university criteria and provides university level qualifications to students in a wide range of programmes up to doctorate level.

### 1.1 NZQA University Quantitative Guidelines.

	2002 Actual	2002 Target	2001 Actual
Percentage of EFTS at level 6 and above	60%	65%	63%
Percentage of EFTS in degrees (incl. postgraduate)	54%	58%	57%
Percentage of EFTS in postgraduate programmes	5%	7%	4%
Number of postgraduate degrees (level 8-10)*	15	18	13
Number of undergraduate degrees (level 7)**	43	43	40
Number of diplomas (level 6)	15	11	14
Number of diplomas and certificates (levels 3 to 5)	63	51	62
New postgraduate programmes approved for development	6	5	10
EFTS at postgraduate level	197	256	151
New undergraduate programmes approved for development	2	2	3
EFTS at undergraduate level	3,672	3,529	3,564

\* Includes BIC Honours.

\*\* Includes degree majors, graduate diplomas/certificates.

Note: The percentage of EFTS at level 6 and above, and the percentage of EFTS in degrees, is calculated by counting the EFTS of the four degree-teaching faculties excluding STAR, self-funded non-formal programmes, and international English students.

### Range of Programmes.

UNITEC offers a true multi-level approach to tertiary education with postgraduate to vocational programmes. The range of programmes offered at UNITEC enables a wide variety of students from diverse backgrounds and experiences to be catered for. Bridging programmes and stair-casing are of particular benefit to those students wishing to return to study or to upskill. UNITEC continued to increase its degree and research base over 2001 levels with a number of new programmes to meet industry needs.

### Number of Programmes Offered

Programme Level	2002 Actual	2001 Actual
PhD	1	1
Masters degrees	9	6
Postgraduate diplomas	5	5
Bachelors degrees*	36	35
Graduate diplomas	8	6
Diplomas	25	26
Graduate certificates	-	-
Certificates	52	50
Total	136	129

\* Includes majors and BIC Honours.

### 1.2 General NZQA University Guidelines.

	2002 Actual	2002 Target	2001 Actual
Number of weighted research outputs	827	730	749
Percentage of staff with postgraduate qualifications	55%	66%	49%
Number of professorial positions			
Number of professors (incl Assoc. Profs)	25	22	17
Number of adjunct professors	30	30	31
Percentage increase in library book stock	8.8%	5%	10%
Percentage increase in library periodical subscriptions*	(14.4%)	20%	3%

\* This refers to on-line journals.

### International Associations.

During 2002, UNITEC continued to be a full member of the International Association of Universities, a UNESCO body. Formal agreements of co-operation have been signed with Bell University in the Jiansu Province of China, and TEC de Monterrey, the Instituto Tecnológico y de Estudios Superiores de Monterrey, based in Mexico.

### The Library.

The library's commitment to the improvement of quality services to students and staff continued in 2002. Software enhancements allowed for easier external access to the library on-line journals and the catalogue. The enthusiastic uptake of the on-line journal access by clients from their home and office has had little impact on the activity within the library, so can be seen as "new business".

### Library Statistics

	2002 Actual	2001 Actual
Library staff	32.3*	30.7*
Library membership**	21,411	21,341
Total annual issues	465,775	454,248
Average daily issues	1,293	1,514
New books added	7,443	8,172
Total book stock	88,875	88,834
Periodic Subscriptions		
Hard copy	760	752
On-line	6,090	7,115
Interloan requests	2,339	1,720
Interloan (items lent)	1,239	1,254
User Education Tutorials		
Number of sessions	327	307
Number of students	8,924	8,883

\* Includes 2 EFT staff that supervise the Student Computer Centre.

\*\* Includes students, staff and approved borrowers.

## Goal 2. To grow by offering a wide range of applied programmes at certificate, diploma, and undergraduate and postgraduate degree levels.

UNITEC continued to foster and develop its links with secondary schools and their students. UNITEC has established close working relationships with schools throughout most of the upper North Island. School leavers are an integral part of UNITEC's future and so planning to meet their needs and those of their potential employers has always been important. Developing a wide range of applied programmes at all levels and being able to provide students with real choices leading to future employment is a key aim in UNITEC's growth.

The "Student for a Day" programme continues to be very popular. Where it has been difficult to demonstrate the range of activity within a programme in a timetabled day, we have set up "Try it for a Day" events where tastes of the variety of content can be sampled. Some 560 individuals, mostly from secondary schools made use of these two opportunities. Around 34% of these students return to enrol in a UNITEC programme of study.

The Secondary Tertiary Alignments Resource (STAR) programme has maintained the level of income received in the previous year. A total of \$209,000 was produced from contractual arrangements with 44 schools including 16 rural institutions mostly found south of Auckland to the central Hawkes Bay. As in previous years, most STAR courses were taught off site with 58 senior courses being delivered. This year there was a slight increase of eight senior STAR courses taught on campus attracting a total of 144 students. An additional 28 vocational tasters for students from Year 10 were also taught on-site at the Mt Albert campus.

Career grants to secondary school career advisors were offered again at the end of the year, strengthening our liaison relationship with North Island secondary schools. Each year Career Services rapuara runs a three-day conference for careers advisors and careers practitioners. This year was their international conference with attendees and speakers from Australia, Europe and the United States. Due to the international focus, the cost per person to attend was raised and a number of careers advisors indicated that they would not be able to attend. The career grants were used this year to fund 10 places for those who may not have been able to attend due to the cost.

Following on from the success of the Pasifika Leadership Fono for Year 10 students, this year we ran a pilot programme based on the Fono for students studying at Best Training. The focus was on identity, the next step into tertiary education and the value of family support. A total of 20 students participated in the programme.

With a new Maori Liaison Officer joining the team, a joint programme with other tertiary providers in the Auckland area, Kei a tatou te ihi (KATTI), was developed. Aimed at Year 10 students, KATTI encourages students to set goals, plan for future tertiary education, and provide motivation to take responsibility for their own destiny. The programme, run over two weeks, had 360 participants from the wider Auckland area, with UNITEC hosting 90 of these students on campus.

## 2.1 Meeting Total and Bulk-funded EFTS Enrolment Targets.

UNITEC determines the demand for programmes and student growth based on the number of Equivalent Full-time Students (EFTS) it receives each year. Each year, the EFTS are subsidised by the Ministry of Education (MoE), and several other funding bodies, depending on the category and nature of study and course classification.

In 2002, UNITEC sought to meet a target of 6,572 MoE EFTS. The total target for EFTS from all sources was set at 8,949. UNITEC experienced a greater than predicted increase in the number of MoE EFTS and over achieved its Ministry of Education-funded target. UNITEC exceeded its total EFTS target by 616 EFTS and exceeded 2001 levels by 1256 EFTS, a very positive result. The continued strong growth in the number of international EFTS has meant the institution has again exceeded the overall target.

<b>Ministry of Education-funded EFTS (Course Classification)</b>	<b>2002 Actual</b>	<b>2002 Revised Target</b>	<b>2002 Original Target</b>	<b>2001 Actual</b>
Agriculture, horticulture	79	158	211	161
Architecture, building	628	548	546	531
Arts, humanities	1,548	1,466	1,391	1,255
Business	1,205	1,221	1,198	1,207
Community, general	328	139	134	235
Computing	408	397	434	392
Engineering, technology	185	133	150	152
Fine arts, design	521	559	626	566
Music	192	220	213	226
Nursing (incl. diagnostic imaging and health-related professionals)	398	362	357	387
Science	178	242	319	232
Teaching	106	158	158	85
Trades	983	969	972	812
<b>Sub-total</b>	<b>6,759</b>	<b>6,572*</b>	<b>6,709</b>	<b>6,241</b>

\* Revised after Statement of Intent. Budgets based on original targets. EFTS reported against revised targets

<b>EFTS From Other Funding Sources</b>	<b>2002 Actual</b>	<b>2002 Revised Target</b>	<b>2002 Original Target</b>	<b>2001 Actual</b>
TOP	62	64	64	88
Skills Enhancement New Zealand (SNZ)	7	-	-	41
SNZ/ITO/RHA	33	51	51	55
STAR	16	-	-	19
Full cost recovery	2,688	2,262	1,758	1,865
<b>Sub-total</b>	<b>2,806</b>	<b>2,377</b>	<b>1,873</b>	<b>2,068</b>
<b>Total</b>	<b>9,565</b>	<b>8,949</b>	<b>8,582</b>	<b>8,309</b>



**EFTS Growth**

	<b>2002 Actual</b>	<b>2002 Target</b>	<b>2001 Actual</b>
Percentage growth in total EFTS	15%	8%	9%
Percentage growth in MoE bulk-funded EFTS	8%	5%	1.5%

**Faculty Enrolments – EFTS by Funding Source**

		<b>2002 Actual</b>	<b>2002 Revised Target</b>	<b>2002 Original Target</b>	<b>2001 Actual</b>
Applied Technology Institute	MoE bulk-funded	1,137	989	989	820
	Contracts (TOP, ITO, ETSA)	34	51	57	79
	STAR	12	-	-	13
	Full cost recovery	26	16	10	28
	<b>Total EFTS</b>	<b>1,209</b>	<b>1,056</b>	<b>1,056</b>	<b>940</b>
Architecture and Design	MoE bulk-funded	1,559	1,547	1,602	1,586
	Contracts (TOP, ITO, ETSA)	6	-	-	13
	STAR	1	-	-	1
	Full cost recovery	109	98	85	96
	<b>Total EFTS</b>	<b>1,675</b>	<b>1,645</b>	<b>1,687</b>	<b>1,697</b>
Arts and Social Sciences	MoE bulk-funded	1,184	1,225	1,209	1,188
	Contracts (TOP, ITO, ETSA)	59	64	64	164
	STAR	-	-	-	-
	Full cost recovery	1,297	1,126	1,126	907
	<b>Total EFTS</b>	<b>2,540</b>	<b>2,415</b>	<b>2,399</b>	<b>2,258</b>
Business	MoE bulk-funded	1,672	1,626	1,676	1,460
	Contracts (TOP, ITO, ETSA)	-	-	-	13
	STAR	-	-	-	-
	Full cost recovery	1,211	1,000	509	691
	<b>Total EFTS</b>	<b>2,883</b>	<b>2,626</b>	<b>2,185</b>	<b>2,164</b>
Ngaa Kaawai Oranga, Health and Environmental Sciences	MoE bulk-funded	1,207	1,185	1,233	1,186
	Contracts (TOP, ITO, ETSA)	2	-	-	25
	STAR	3	-	-	4
	Full cost recovery	46	22	22	33
	<b>Total EFTS</b>	<b>1,258</b>	<b>1,207</b>	<b>1,255</b>	<b>1,248</b>
<b>Totals</b>	<b>MoE bulk-funded</b>	<b>6,759</b>	<b>6,572</b>	<b>6,709</b>	<b>6,241</b>
	<b>Contracts (TOP, ITO, ETSA)</b>	<b>102</b>	<b>115</b>	<b>121</b>	<b>184</b>
	<b>STAR</b>	<b>16</b>	<b>-</b>	<b>-</b>	<b>19</b>
	<b>Full cost recovery</b>	<b>2,688</b>	<b>2,262</b>	<b>1,752</b>	<b>1,865</b>
	<b>Total EFTS</b>	<b>9,565</b>	<b>8,949</b>	<b>8,582</b>	<b>8,309</b>

**International Students.**

UNITEC is committed to being a provider of high quality tertiary education that can be accessed and recognised anywhere in the world. Education is a global commodity and UNITEC's outlook is one of internationalisation. Accordingly, UNITEC embraces international students and encourages student exchange.

In 2002, UNITEC had 2,569 international EFTS, 27 percent of its total EFTS. This is an increase of 814 international EFTS over 2001 levels, a 46 percent increase. It was 15 percent over the target of 2,225 for the year. Many of these students are from Asia, with China and India being the main countries of origin. UNITEC continues to offer an English language programme in Beijing, China to better prepare students wishing to study in New Zealand. UNITEC continues to attract students from European countries such as Germany, Norway and Sweden. There has also been considerable interest shown in student exchange and study abroad options.

### International Students EFTS

	2002 Actual	2002 Revised Target	2002 Original Target	2001 Actual
Total EFTS	9,565	8,949	8,522	8,309
International students (EFTS)	2,569	2,225	1,718	1,755
Percentage of Total EFTS	27%	25%	20%	21%

### 2.2 Balanced Growth in Sub-degree, Undergraduate and Postgraduate Degree Programmes.

	2002 Actual	2002 Target	2001 Actual
Percentage of EFTS at sub-degree level 6 and above	60%	65%	63%
Percentage of EFTS in degrees	54%	58%	57%
Percentage of EFTS in postgraduate programmes	5%	7%	4%

**Degree-level Awards.** In 2002, UNITEC again increased the number of students graduating with degree-level qualifications with 13 percent growth in degree-level completions. The growth in postgraduate programme completions has increased at an even faster rate with programmes aimed at meeting niche markets in professional development proving increasingly popular. UNITEC graduands will participate in three ceremonies in April 2003.

### Number of Completions

Qualification	2002 Actual	2001 Actual
Masters degrees	14	5
Postgraduate diplomas	53	35
Bachelors degrees	650	575
Graduate diplomas/certificates	81	69
<b>Total</b>	<b>798</b>	<b>684</b>

## Goal 3. To undertake applied research which informs teaching and improves practice.

### 3.1 Research Outputs.

	2002 Actual	2002 Target	2001 Actual
Number of weighted outputs	827	730	749
UNITEC research (\$m)	\$1.2m	\$0.89m	\$0.7m
Number of wholly postgraduate research students*	45	60	56

\* Students undertaking research study of 90 credits or more

### 3.2 International Research Standards of Excellence.

	2002 Actual	2002 Target	2001 Actual
Number of international publications	202	150	173
Number of international presentations or exhibitions	173	185	143
International conferences hosted	1	2	1
Number of Key Centres operating	4	3	2
Number of professors (incl Assoc. Profs)	25	22	17
Research Key Centre (\$m)	\$0.47m	\$0.28m	\$0.12m

### 3.3 Industry Focus and External Funding.

	2002 Actual	2002 Target	2001 Actual
External research grant income (\$m)	\$0.147m	\$1m	\$0.156m

**Research.** Research excellence, research culture, and individual research activity are all of importance when teaching degrees. UNITEC recognises this, and is delighted that in 2002 research excellence was recognised nationally and internationally with awards to staff. Dr Mohamed Zaher received the Ludwig Mond Prize from the Institution of Mechanical Engineers, Associate Professor Tanya Fitzgerald received the President's Research Award from the NZ Educational Administration and Leadership Society, Associate Professor Branko Mitrovic was given Research Fellowships at Harvard University Centre for Renaissance Studies, Canadian Centre for Architecture and the Alexander von Humboldt Foundation (Germany), and Bill McKay was the winner of the West Auckland sculpture competition and highly commended in the Meridian Energy Wind Sculpture (Wellington), Tim Woodhouse won the NZTV award for best editing, drama.

To encourage more research activity, UNITEC instigated research fellowships for staff involved in research and teaching, and supported the formation of more centres for research and development. We now have four centres: education, construction, information technology, and innovation and entrepreneurship. The latter centre, led by Professor Howard Frederick, has once again produced the Global Entrepreneur Monitoring Report – an example of international collaboration and applied research that has direct application in New Zealand's push for economic development.

Professional service is also considered to be of importance at UNITEC. Professor Mike Bradbury was given the Outstanding Contribution to Practice Award and was also made a life member by the Accounting Association of Australia and New Zealand, Helen Prangnell became a Fellow of the Institute of Chartered Accountants, Lesley Ferkins, Brendon Hoare, and Dr Vasantha Abeyserka are all serving on National or Australasian Councils. Professor Russell Kenley, who leads the Centre for Construction and Property, was part of the group invited by the Parliamentary Commissioner for the Environment, Dr Morgan Williams, to study in Curitiba, southern Brazil. He was also the production editor for the group's report.

In the current national focus on research excellence and culture, the professional service and the role of tertiary institutions as critic and conscience for society is not being overlooked. We are proud of what our staff have achieved, notably the increase in the number and proportion of refereed publications. The full publication list is available at <http://www.unitec.ac.nz/research> on the UNITEC website.

### UNITEC Research Profile

	2002 Actual	2001 Actual
Book	14	17
Book chapter	39	20
Educational texts	12	23
Conference proceedings	147	114
Journal	157	136
Report	14	27
Theses	11	11
Patents	-	2
Software	-	-
Applied/creative design	12	9
Exhibited works and performances	91	107
Presentations	373	386
General media	115	127
Interviews	21	24

### Number and Proportion of Outputs

	2002 Actual	2002 Percentage	2001 Actual	2001 Percentage
Refereed	191	19%	141	13%
Multi-authored outputs	221	22%	241	23%
Outputs presented overseas*	173	28%	135	17%

\* Includes conference proceedings, presentations, and exhibitions.

Note: Publication figures for 2002 are provisional. 2001 figures have been updated to reflect the confirmed result.

## Faculty Research Profile

Research Output	UATI		Architecture & Design		Arts & Social Sciences		Business		Ngaa Kaawai Oranga, Health and Environmental Sciences	
	2002	2001	2002	2001	2002	2001	2002	2001	2002	2001
Book	-	2	9	12	1	4	4	2	-	-
Book chapter	-	-	14	15	9	8	7	-	9	5
Educational texts	2	13	-	-	1	-	9	7	-	-
Conference proceedings	3	2	38	32	16	20	77	61	12	7
Journal	9	10	28	29	25	39	51	23	38	42
Report	6	3	1	2	6	10	1	2	2	15
Thesis	-	1	-	3	4	5	1	-	3	2
Patent	-	2	-	-	-	-	-	-	-	-
Software	-	-	-	-	-	-	-	-	-	-
Applied design/creative work	-	-	5	22	-	-	-	-	8	3
Exhibition, performance	-	-	83	111	-	1	-	-	8	6
Presentation	5	4	63	60	98	125	95	75	97	131
General media	2	1	33	59	3	8	32	7	25	17
Interviews	-	-	2	17	4	5	2	1	12	1

## Goal 4. To assure the quality and relevance of our programmes and their delivery.

The quality of programmes and their delivery is paramount to UNITEC. UNITEC's quality management system is of a very high standard, and is continuously updated and improved to give students and other stakeholders the best possible education and services.

The current system is comprehensive and includes the Student Evaluation of Quality and Learning (SEQUAL), the Green Card (where students know what to expect when taking a course), and annual programme reports that monitor quality on several levels.

UNITEC continued to implement and improve its quality management system, including the five-point plan for quality, at all levels of the institution. Evaluations of quality in its programmes continued using SEQUAL and a variety of other measures such as national and international professional accreditation bodies, and annual programme reports.

### 4.1 External Programme Approval and Accreditation.

Academic Board received accreditation for 13 new programmes this year of which nine were approved by NZQA, one is still in progress and three were approved locally.

#### New Programme Approvals

	Number of New Programmes Submitted to Academic Board*	2002 Local Approvals	2002 NZQA Approvals	Total Approval	2002 In Progress
	10	3	9	13	1

\* Note: Separate majors are counted as individual degrees. UNITEC degrees tend to be less generic than those typical of the university sector and each new major requires separate approval from NZQA.

#### New Programme Approval Percentages

	2002 Actual	2002 Target	2001 Actual
Percentage local approvals : submissions	100%	100%	100%
Percentage NZQA approvals : submissions	90%	100%	81%
Percentage international accreditations : submissions	-	100%	-

#### 4.2 SEQUAL Ratings for Teaching and Course Evaluations.

A cornerstone of the UNI-Q quality management system is the monitoring of quality in teaching and learning through the SEQUAL survey instrument administered by the Planning and Institutional Research Office. SEQUAL uses three evaluation instruments (a course evaluation, a lecturer evaluation, and a diagnostic instrument) and a five-point scale (five=highest). During the year, over 67,000 SEQUAL forms were processed as part of the evaluation process. The level of overall satisfaction with both teaching and course satisfaction was consistent with the previous year.

<b>SEQUAL Ratings</b>	<b>Overall Mean</b>	<b>Target</b>
SEQUAL Evaluation Instruments	(Five-Point Scale)	
Courses	3.64	3.64
Teaching	3.87	3.88

<b>SEQUAL Coverage</b>	<b>Semester One</b>	<b>Semester Two</b>
Lecturer Evaluations		
Total student responses	16,096	19,956
Total number of lecturers	497	641

	<b>Semester One</b>	<b>Semester Two</b>
Programme/Course Evaluations		
Total student responses	14,983	16,359
Total number of programmes	74	81
Total number of courses	679	742

<b>Programmes Reviewed</b>	<b>Actual</b>	<b>Target</b>
Number of programmes reviewed	7	10

#### 4.3 Student Satisfaction with Service Provision.

The Student Satisfaction Survey is a sample survey that has been undertaken annually to evaluate the level of satisfaction with the provision of support services. Information gained from the survey formed part of the quality management system by providing feedback on non-academic service performance for the purposes of continuous improvement. This year the survey was not run as the methodology for the survey is being revisited in the light of the changing nature of UNITEC's student population. In 2003 a new survey instrument will be developed to provide campus student service providers with customer feedback. During the year a strategic review of non-academic student services has been undertaken and a number of changes are proposed to ensure they continue to meet demand.

<b>Student Satisfaction Survey</b>	<b>2002 Actual</b>	<b>2002 Target</b>	<b>2001 Actual</b>
Overall Satisfaction with Services and Facilities			
Mean score	-*	3.04	3.5

\* Survey was not undertaken in 2002

#### 4.4 Employment Progress and Student Satisfaction after Graduation.

The Graduate Survey assesses the progress of UNITEC's graduates. The Graduate Survey is sent to all UNITEC graduates approximately six months after completing a programme of 120 credits or more. Most graduates complete their programme of study in the year preceding graduation; thus the 2002 Graduate Survey evaluated the outcomes of 2001 graduates. The Graduate Survey looks at the manner in which UNITEC graduates have found employment, whether that employment was related to their programme of study, and other important benchmark data such as median salaries, further study and their responses to the Course Experience Questionnaire (CEQ).

In the Graduate Survey 2002, respondents from 25 programmes were analysed. Of the respondents, one third were males and two thirds female, with the median age being 33 years. Other highlights included:

- 85% of respondents stated that their full-time employment was highly or moderately related to UNITEC qualifications
- 25% of graduates were earning over \$50,000 in full-time employment
- Over 60% of graduates in full-employment were working in a related area during their study at UNITEC

The overall satisfaction with UNITEC programmes was measured by the CEQ. The CEQ instrument is designed to gather information about graduates' perception of their learning experience. The instrument has 25 items and contains five scales as well as an overall satisfaction item.

### Graduate Survey

	2002 Actual	2002 Target	2001 Actual
Percentage of students progressing to employment or further education*	92	90	93

\* Excludes those not available for work.

### Employment Progress by Faculty

Graduate Outcome	Percentage of Total		Architecture & Design		Arts & Social Sciences		Business		Ngaa Kaawai Oranga, Health and Environmental Sciences	
	2002	2001	2002	2001	2002	2001	2002	2001	2002	2001
Working only	82%	75%	80%	79%	92%	73%	78%	68%	79%	85%
Studying only	6%	9%	2%	1%	1%	14%	4%	9%	15%	7%
Working and studying	2%	6%	-	4%	2%	6%	1%	7%	4%	7%
Looking for work	8%	7%	17%	12%	5%	3%	13%	14%	-	1%
Unavailable for work	2%	3%	1%	4%	-	4%	4%	2%	2%	-

### Course Experience Questionnaire Summary

	2002 Actual	2002 Target	2001 Actual
Overall satisfaction with the quality of the programme*	3.73	3.80	3.80

\* Five-point scale (5 = highest).

### 4.5 Application of Technology and Student Learning.

'E-learning' encompasses learning and teaching activities which employ electronic information, communication and learning technologies, a major tool being the World Wide Web. UNITEC has always been at the forefront of the development of E-learning and 2002 was no exception. The 'Blackboard' web course management system was upgraded to the faster more versatile 'Enterprise' version and more than 600 courses are now available on-line with over 6000 students taking advantage of this 'E' dimension to their learning.

The evaluation and trial of new technologies such as video over IP, media-streaming, video-conferencing and digital resources has continued in 2002. These serve to complement the on-line learning dimension provided by Blackboard.

The increased demand for on-line learning has again resulted in increased resources being allocated for the provision of additional computer workstations for students continuing to enhance the ratio of workstations per EFTS. The Ask IT help desk continues to offer a popular one-stop-shop approach to student computing difficulties and also runs orientation programmes and basic computer training.

### Computer Workstations and Multimedia

	2002 Actual	2002 Target	2001 Actual
EFTS	9,565	8,949	8,309
Number of computer workstations	1,470	1,200	1,335
EFTS : computer workstations	6.5:1	7.4:1	6.2:1
Number of courses offered on-line	600	400	330



**4.6 Relevance and Viability of Proposed and Existing Programmes.**

	<b>2002 Actual</b>	<b>2002 Target</b>	<b>2001 Actual</b>
Average percentage increase in enrolments per programme*	0.7%	10%	n/a
Average class size per programme*	16	15	n/a
Percentage of programmes reviewed for viability	100%	100%	100%
Number of active advisory committees	42	50	44

\* New in 2002.

**Advisory Committees.** Advisory committees are an important part of UNITEC's applied and "real world" approach to teaching and learning. The advisory committees provide a direct link to industry and business, and draw on the expertise of professionals and leaders to advance programme development to meet market demands. Community representation is also an essential part of advisory committees, enabling UNITEC to achieve a greater understanding of the diversity that is also a feature of its student body.

**Applied Technology Institute**

- Marine
- Plumbing and Gasfitting
- Carpentry
- Automotive
- Painting and Decorating
- Electrotechnology
- Welding

**Architecture and Design**

- Architecture
- Construction and Quantity Surveying
- Project Management
- Design Management
- Land Surveying
- Three-Dimensional Design
- Performing and Screen Arts
- Product Design
- Critical Studies
- Visual Communication
- Civil Engineering
- Interior Design
- Environmental Management

**Business**

- Accountancy, Law and Finance
- Management and Entrepreneurship
- Computing and Information Technology
- Business Administration
- Communication

**Ngaa Kaawai Oranga Health and Environmental Sciences**

- Animal Technology
- Mental Health
- Medical Imaging
- Horticulture
- Landscape
- Nursing
- Resource Management
- Sport
- Osteopathic Medicine

**Arts and Social Sciences**

- Bachelor of Arts
- Community Studies
- Education
- English and Applied Linguistics
- Special Needs
- Te Tari Awhina

**Corporate**

- Maori Education Runanga
- Fono Faufautua (Pasifika Council)

A full membership list for the 2002 advisory committees can be found on UNITEC's corporate website, [www.unitec.ac.nz](http://www.unitec.ac.nz) as a sub-category under "About UNITEC".

## Goal 5. To provide support and equal educational opportunities for our students.

One of UNITEC's strengths is being able to cater for, and provide quality education and services to, a diverse range of students. UNITEC encourages participation in its programmes from as many groups in the community as possible. Barriers to participation are actively removed, and UNITEC has put in place specific initiatives and policies to assist Maori, Pasifika, students with disabilities, and women to receive the full benefits of their educational experience.

UNITEC continues to support the large and growing number of women students in retraining by providing a Women's Education Co-ordinator. The demands are constant on many mature women students: juggling study, family, finances, and often part-time work. This has led to an ongoing need for advocacy and mediation support services, and liaison with a range of government agencies. It has also resulted in a continued increase in demand for women's scholarships and awards. The Women's Advisory Committee continues to play an important role by providing a forum that encourages support and advice for women staff and students on campus.

Te Tari Awhina, Learning Centre continued to make a significant contribution to the academic and learning development of UNITEC students, with almost 3,000 students using its service and making nearly 7,000 visits between them. This service plays an ongoing role in the success and retention of students and aims to work collaboratively with faculty academic staff members to enhance student learning opportunities. A highlight of 2002 was the publication and launch of Pacific Stories from the Heart, a collection of stories from Pacific students writing of their experiences at UNITEC and their interpretations of success. Te Tari Awhina is distributing a copy of this inspiring book to all first year Pacific students at UNITEC.

There have been some changes in the makeup of the student body in 2002. UNITEC caters for a range of part-time students undertaking professional development programmes and job related training. This increased slightly during the year with the provision of Site Safe training in the construction industry. While the portion of part-time students as a percentage of total EFTS decreased by 5%, the number of students undertaking part-time study rose dramatically to over 20,000 during the year. The gender balance between male and female students, previously stable, has become slightly more male dominated with males making up 54% of the total EFTS. Once again the proportion of part-time students who are male increased to 53% up from 50% in 2001. UNITEC was slightly below target for Pasifika EFTS primarily due to the changing ethnic profile of the Auckland population, and the change in composition of our part-time students as a result of the large number of Site Safe enrolments. A number of initiatives are planned for 2003 that will ensure targets are met or exceeded.

### Equal Educational Opportunities Statistical Profile

	2002 Total Enrolments	2002 Total EFTS	2002 Percentage EFTS	2001 Percentage EFTS
Full-time	9,146	7,708	81%	76%
Part-time	20,431	1,857	19%	24%
<b>Total</b>	<b>29,577</b>	<b>9,565</b>	<b>100%</b>	<b>100%</b>
Female full-time	4,136	3,538	46%	46%
Female part-time	5,787	880	47%	50%
<b>Total</b>	<b>9,923</b>	<b>4,418</b>	<b>46%</b>	<b>47%</b>
Male full-time	5,010	4,170	54%	54%
Male part-time	14,644	977	53%	50%
<b>Total</b>	<b>19,654</b>	<b>5,147</b>	<b>54%</b>	<b>53%</b>

### 5.1 Pacific Islands Enrolments.

	2002 Actual EFTS	2002 Target EFTS	2001 Actual EFTS
Percentage Pacific Islands full-time	9%	12%	12%
Percentage Pacific Islands part-time	6%	9%	7%
Percentage of total enrolments*	9%	12%	11%

\* Excludes international students.

**5.2 Targeted Enrolments for Women.**

	<b>2002 Actual EFTS</b>	<b>2002 Target EFTS</b>	<b>2001 Actual EFTS</b>
Percentage female full-time	46%	50%	46%
Percentage female part-time	47%	50%	50%
Percentage of total students*	46%	50%	47%

\* Excludes international students.

**5.3 Targeted Enrolments for Students with Disabilities.**

In 2002, UNITEC received \$186,622 income from the Special Supplementary Grant (SSG) to assist and create opportunities for students with disabilities. As part of its commitment to reducing and minimising the barriers for students with disabilities, in accordance with section 220 of the Education Act 1990, UNITEC used the SSG income as well as its own funds to increase the participation and success of these students in its programmes.

UNITEC used the SSG income in 2002 to fund several initiatives, including a full-time Disability Liaison Co-ordinator, 32 part-time casual support staff providing one-on-one support, and the purchase of special equipment such as height-adjusted tables, dictaphones, and pocket spellcheckers.

**Special Supplementary Grant**

	<b>2002 Actual</b>	<b>2002 Target</b>	<b>2001 Actual</b>
Number of students with disabilities	403	344	387
Special Supplementary Grant income (\$)	\$186,622	\$178,000	\$167,000

In 2002, UNITEC increased the provision of support for students with disabilities on campus. The number of students assisted exceeded the budgeted target by 17%. The shortfall of \$106,911 between the SSG grant and the expenditure required to meet demand was funded by UNITEC's own funds.

The Disability Liaison Co-ordinator and the casual support staff provided a total of 12,397 hours of one-on-one support for 146 out of a total of 403 students registered with disabilities participating in integrated programmes, an increase of 36% from the previous year. The total expenditure for this personal support amounted to \$293,533. Of the students with disabilities that received support, once again the majority were engaged in full-time study in 2002.

<b>Disability Support</b>	<b>Staff</b>	<b>Areas of Integrated Support</b>	<b>Hours</b>	<b>Cost</b>
	Disability liaison 1	Notetakers	5,600	\$84,633
	Casual support 32	Sign language interpreters	4,325	\$145,937
		Tutors	1,834	\$53,194
		Personal care	638	\$9,769
	<b>Total 33</b>		<b>12,397</b>	<b>\$293,533</b>

**5.4 Assistance to Students Experiencing Financial Hardship.**

In 2002, UNITEC provided the entire funding for the Hardship Fund, which amounted to \$32,500. The total allocations amounted to \$35,000, as student repayments allowed funds to be recycled to help other students in need. Continued improvement in the provision of WINZ Student Services and their empathy towards students struggling financially has meant that UNITEC involvement in the provision of hardship assistance has again decreased, with the number of students requiring assistance declining from 424 in 2001 to 245 in 2002. The partnership between WINZ Student Services and UNITEC on behalf of UNITEC students again reaps positive results.

## UNITEC Hardship Fund Allocation

	2002 Actual	2002 Target	2001 Actual
Total allocations (\$)	\$35,000	\$50,000	\$68,870
Students assisted	245	400	424
Average allocation per student (\$)	\$142	\$125	\$162

## Student Support

	2002 Actual	2001 Actual
Direct Cost per EFTS		
Net direct cost (\$)	\$1,983,213	\$1,474,602
EFTS	9,565	8,309
Net cost : EFTS (\$)	\$207	\$177

## Goal 6. To increase Maori participation and success in UNITEC programmes.

UNITEC continued to support and encourage Maori to participate and succeed in their programmes. Maia, the Maori Development Centre, remains central to UNITEC's support of Maori students providing academic, cultural, and pastoral support. Maia also looks to support and encourage future students, and continued to strengthen its relationships with Maori community groups including Hoani Waititi, Ngati Whatua, Waipareira, and many tribal groups outside Auckland.

### 6.1 Maori Participation and Success.

	2002 Actual	2002 Target	2001 Actual
Percentage Maori EFTS : total EFTS (excluding International)	9%	10%	9%
Percentage Maori academic staff : total academic staff	4%	6%	6%
Maori student scholarships (\$)*	\$23,000	\$50,000	n/a
No. of formal external Maori contracts and partnerships*	0	5	n/a
Percentage Maori full-time students : Total full-time Maori students utilising Maia*	47%	60%	n/a

\* Percent Maori full-time students using Maia One to One service.

Maia continued to administer, develop and implement a number of scholarship programmes to assist Maori students from within UNITEC and the community. A total of 153 scholarships were awarded from eight assistance programmes. Transpower/UNITEC He Tohu Aroha scholarships to the value of \$40,000 were awarded to 75 students (13 certificates, 22 diplomas, 40 bachelor degree). Ngati Whatua scholarships totalling \$11,000 were granted to 18 students.

The Rangatahi Maia programme, a partnership between UNITEC and Skill New Zealand, funded 26 places for first-year students in various programmes across campus. In 2002, Rangatahi Maia focused on higher-level programmes, which saw 12 recipients entering bachelor programmes. Five students were undertaking diplomas and a further nine students were working towards certificate level qualifications. Of the 26 places available, four were allocated to the Certificate in Boat Building in 2002.

The emphasis on pastoral care, facilitated by Maia, is a unique feature of the Rangatahi Maia programme. The specific focus on issues facing first-year students is a particular strength of the programme and contributes greatly to the success and retention of Maori Students. The programme attracts students from all over New Zealand, with many entering programmes in architecture, business, design and sport.

A new scholarship, the Transpower Kaupapa Maori Access Award to the value of \$5000 was awarded to one student. The Transpower Access Bridging Award, was offered to mature Maori students entering Foundation Studies. Five \$5000 scholarships were awarded, enabling mature students to enter tertiary education. A+ Maori Health (Nursing) Scholarships to the value of \$5000 were awarded to five students. In addition, the School of Computing and Information Technology Scholarship (SIST) provided \$5000 scholarships to three students.

The Maori Carpentry Scholarship established by UATI in conjunction with Maia awarded 20 scholarships for its second year of operation. The scholarship covers the full costs of the course fees. The students meet the costs of the tools.

## Goal 7. To procure and manage the physical and financial resources of the institute effectively and efficiently.

UNITEC has consistently deployed its physical and financial resources to gain the most efficient use and best value for money for its key stakeholders, most importantly its students, the local community, and the government. All areas of financial expenditure are scrutinised to minimise cost, and existing assets are maintained to maximise returns. This ensures resources can be used where they are most needed, in teaching and student support.

### 7.1 Key Financial Performance Targets.

Consolidated	2002 Actual	2002 Target	2001 Actual
<b>Short-term Liquidation Ratio:</b>			
Current monetary assets (\$000)	2,226	5,046	819
Current liabilities (\$000)	35,656	20,135	20,473
Ratio	0.06:1	0.25:1	0.04:1
<b>Change in Financial Value:</b>			
Net assets (\$000)	77,960	76,661	75,802
Percentage net change	2.85%	1.13%	13.89%
<b>Return on Assets:</b>			
Net result for the year (\$000)	1,384	1,613	(277)
Net assets (\$000)	77,960	76,661	75,802
Percentage return on asset	1.77%	2.10%	(0.37%)
<b>Exposure to Debt:</b> The Institute has the following long-term commitments:			
National Bank Loan (\$000)*	1,014	1,015	1,070
<b>Source of Income:</b>			
Income other than MoE bulk-funds (\$000)	57,836	47,087	48,529
Total income (\$000)	101,114	90,380	87,238
Percentage	57.20%	52.10%	55.63%
<b>Current assets : Current liabilities</b>	<b>0.55</b>	<b>0.27</b>	<b>0.32</b>
<b>Total debt : equity</b>	<b>1.38</b>	<b>1.32</b>	<b>1.48</b>
<b>Operating costs : EFTS (\$)</b>	<b>9,435</b>	<b>9,656</b>	<b>9,539</b>
<b>Net surplus : EFTS (\$)</b>	<b>145</b>	<b>188</b>	<b>(33)</b>

\* Provided to the UNITEC Recreation Trust for the construction of the UNITEC Sport and Recreation Centre. UNITEC has no other exposure to term debt.

**Physical Resources.** Since 1999, UNITEC has adopted the Australasian Association of Higher Education Facilities Officers (AAPA) benchmark data to manage and organise the efficient use of its physical resources. As UNITEC is one of the largest tertiary providers in New Zealand, the use of its physical resources needs to be carefully planned and co-ordinated to achieve the best possible loading for lecture theatres and other facilities. Utilising AAPA benchmarks allows UNITEC to measure how well its teaching and administrative areas are being used, and to find ways to achieve greater loadings that benefit students and the local community.

### 7.2 Key Physical Resource Targets.

	2002 Actual	2002 Target	2001 Actual
Faculty useable floor area (m2) : EFTS	5.38	5.8	6.03
Gross education Area (m2) : EFTS	9.89	10.9	10.60

### Physical Resource Usage

	2002 Actual	2002 Target	2001 Actual
Faculty Useable Floor Area (m2) : EFTS by Faculty			
Applied Technology Institute	7.39	9.61	9.53
Architecture and Design	11.36	10.36	10.46
Arts and Social Sciences	3.42	4.04	3.60
Business	2.48	3.42	2.85
Ngaa Kaawai Oranga, Health and Environmental Sciences	6.07	7.60	7.23

### Operating Cost.

#### Cost of Services by Faculty

	Applied Technology Institute			Architecture and Design			Arts and Social Sciences		
	2002 Actual	2002 Budget	2001 Actual	2002 Actual	2002 Budget	2001 Actual	2002 Actual	2002 Budget	2001 Actual
<b>Costs</b>									
Salaries and wages	4,761,991	4,613,126	4,052,563	9,847,482	9,132,667	9,224,114	12,560,649	11,574,784	10,575,434
Class materials	1,524,613	683,806	845,377	867,964	896,949	1,030,913	1,785,991	1,697,034	1,349,688
General expenses	1,500,005	1,130,753	1,227,366	2,884,231	2,615,455	2,633,056	4,145,119	3,500,577	3,395,703
Administration services	4,060,786	3,844,664	3,794,942	7,768,509	7,328,167	7,695,849	6,714,244	6,256,599	6,622,881
Depreciation	116,196	122,479	108,382	127,155	132,552	170,755	34,970	37,925	56,004
<b>Total costs</b>	<b>11,963,591</b>	<b>10,394,828</b>	<b>10,028,630</b>	<b>21,495,341</b>	<b>20,105,790</b>	<b>20,754,687</b>	<b>25,240,973</b>	<b>23,066,919</b>	<b>21,999,710</b>
Revenue from services	(432,471)	(436,011)	(414,875)	(337,846)	(385,650)	(457,032)	(4,224,059)	(1,491,030)	(3,246,153)
Net cost of services	11,531,120	9,958,817	9,613,755	21,157,495	19,720,140	20,297,655	21,016,914	21,575,889	18,753,557
Net cost of services : EFTS	9,534	9,431	10,218	12,632	11,689	11,963	8,276	8,994	8,305

	Business			Ngaa Kaawai Oranga, Health and Environmental Sciences		
	2002 Actual	2002 Budget	2001 Actual	2002 Actual	2002 Budget	2001 Actual
<b>Costs</b>						
Salaries and wages	9,748,219	8,385,783	6,850,229	7,391,077	6,946,943	6,509,498
Class materials	816,903	782,500	615,837	1,041,186	831,688	914,881
General expenses	4,354,218	2,878,455	3,542,875	1,632,825	1,498,770	1,810,122
Administration services	8,205,723	7,013,028	7,134,048	4,617,962	4,351,556	4,562,759
Depreciation	75,339	70,307	64,360	120,369	124,859	131,857
<b>Total costs</b>	<b>23,200,402</b>	<b>19,130,073</b>	<b>18,207,349</b>	<b>14,803,419</b>	<b>13,753,816</b>	<b>13,929,117</b>
Revenue from services	(749,418)	(654,140)	(1,073,787)	(721,086)	(612,800)	(467,910)
Net cost of services	22,450,984	18,475,933	17,133,562	14,082,333	13,141,016	13,461,207
Net cost of services : EFTS	7,788	7,036	7,916	11,194	10,887	10,783

### 7.3 External Accountability Requirements.

	2002 Actual	2002 Target
Statement of objectives approved by MoE	Approved	Approved
Annual report prepared to meet legislated timelines	Prepared	Prepared



## Goal 8. To support and develop our staff and acknowledge their performance.

### 8.1 Staff Development Opportunities and Performance Excellence.

Staff are a major asset for UNITEC in its delivery of quality teaching and learning to students. Accordingly, UNITEC places the utmost importance on the professional development of its staff in order to maintain and enhance the skills and qualities that staff, academic and non-academic, bring to their jobs. In addition to formal programmes of study, a number of initiatives facilitate peer support and mentoring by senior staff across the organisation.

UNITEC staff at all levels continued to upgrade their qualifications this year. Almost half (49%) of academic staff now hold postgraduate degrees. Of these, 10% hold PhDs, a welcome boost to UNITEC's growing research base. In total, over three quarters of academic staff now hold degree level qualifications. Staff are encouraged to undertake further study, and UNITEC, as a good employer, assists staff with both study time and costs.

#### Professional Development

	2002 Actual	2002 Target
Percentage of staff participating in in-house staff development courses	35%	20%
Percentage of staff using discount provision to purchase courses for higher qualifications or professional development	10%	10%
Number of academic staff completing higher qualifications	87*	9
Number of annual staff awards	19	19

\* Number of academic staff undertaking higher qualifications but may not complete in 2002.

Promoting a culture of excellence in staff performance has remained a high priority throughout 2002. Staff performance is assessed through the annual performance review process. The performance review process has been reassessed during the year and a revised performance management system has been developed and implemented. The new system, building on the existing performance review process, has resulted in a more comprehensive performance management policy. In addition to the review process, the system highlights the importance of performance planning and objective setting, on-going feedback and coaching. Performance management and professional development are more closely linked to the annual business planning cycle helping us ensure that agreed standards are maintained and service performance continues to meet student expectations. Many of the staff that excel are recognised in the annual staff awards. The UNITEC staff awards celebrate those that perform to an outstanding level in a number of categories, including teaching excellence, research excellence, quality of service, programme leadership, service leadership, and exceptional service.

### 8.2 EEO Targets.

The EEO Plan aims to assist the Institute to:

- Ensure equality of opportunity in all aspects of its work
- Practise sound employment practices when appointing staff
- Comply with the spirit and intention of all relevant equal employment legislation including the Human Rights Act 1997, the Race Relations Act 1971, the State Sector Act 1988, and the Parental Leave and Employment Protection Act 1987
- Employ a workforce broadly reflecting the community it serves in terms of ethnicity, gender, and disability.

Te Roopu Mataara and Tu Alanga Ake, support networks for Maori and Pacific Island staff, continued to evolve throughout the year, furthering UNITEC's commitment to retaining and developing Maori and Pasifika staff. Te Roopu Mataara, the Maori staff collective, continued to meet and act as a support group for Maori staff across campus.

## EEO Statistical Profile

Staff Totals (FTE)	F/T	P/T	2002 FTE		2001 FTE	
			Total	Percentage	Total	Percentage
Academic Staff						
All staff	494	132	626	100%	539	100%
Disabled	6	1	7	1%	9	2%
Maori	19	5	24	4%	23	4%
Pacific Island	8	2	10	2%	6	1%
Female	222	89	311	50%	256	47%
Male	272	43	315	50%	283	53%
Allied Staff						
All staff	357	109	466	100%	424	100%
Disabled	11	-	11	2%	10	2%
Maori	17	6	23	5%	23	5%
Pacific	15	5	20	5%	24	6%
Female	242	77	319	68%	289	68%
Male	115	32	147	32%	135	32%

Note: The above figures are based on those staff that indicated their ethnicity. Apparent increase in Allied staff reflects the more accurate FTE data now available from PeopleSoft HRMIS than in previous years.

## Gender Balance in Management and Academic Career Structures

### Senior Managers including Directors

	2002		2001	
	Total	Percentage	Total	Percentage
Total number of senior managers	68	100%	66	100%
Female senior managers	23	34%	30	45%
Male senior managers	45	66%	36	55%

Note: Includes professors and associate professors.

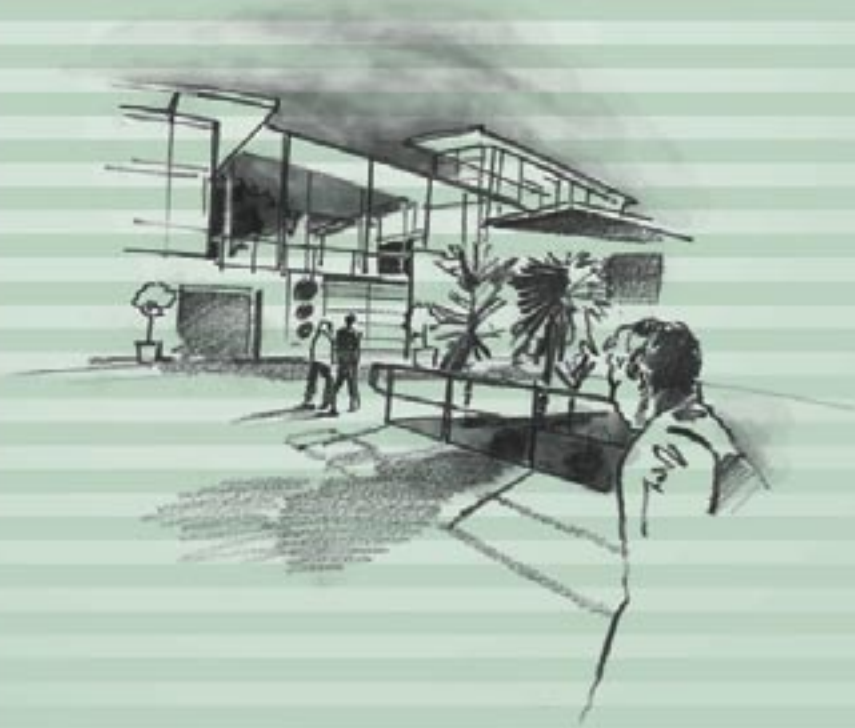
The number of senior management positions held by women continued to drop in 2002. This change in the gender balance in senior management and senior academic appointments has resulted from the appointment of a number of males to Associate Professorships and a number of other new management appointments who were male. The institution remains firmly committed to EEO, which is strongly entrenched in the recruitment and selection processes as well as the career structures of the organisation.

	2002 Actual	2002 Target
<b>Maori Staff</b>		
Percentage academic	4%	7%
Percentage allied	5%	7%
<b>Pacific Islands Staff</b>		
Percentage academic	2%	1%
Percentage allied	5%	6%
<b>Staff with Disabilities</b>		
Percentage academic	1%	3%
Percentage allied	2%	3%

THINKSPACE



# Financial Highlights



FOR THE YEAR ENDED 31 DECEMBER 2002

# Financial Highlights

## Financial Results for the Year

UNITEC made a net surplus for the year of \$1.319 million compared with a budget surplus of \$1.613 million.

## Income

UNITEC again experienced extremely strong growth and demand in the international student market and IELTS testing has also been well ahead of budget.

## Expenditure

Expenditure ended the year ahead of budgeted levels due mainly to increased costs associated with the huge increased growth in student numbers. Labour costs continue to rise with the settlement of collective contracts and the need to continue to attract staff with higher academic profiles and the need to pay competitive salaries. A number of initiatives to control expenditure levels were taken in 2002 which will lead to an overall reduction in costs associated with printing and computer equipment in future years.

## Assets

Investment in teaching equipment, motor vehicles and other assets has been maintained at levels consistent with past years. Extensions to the Student Learning Complex to accommodate increased demand in the School of Languages and the School of Computing and Information Technology were completed and another extension initiated to meet further growth in student numbers. Further development of PeopleSoft management information software packages also continued to occur at slightly lower levels than in previous years.

## 2003 Budget

A conservative budget for 2003 has been set with EFTS targets slightly above those achieved in 2002. Expenditure will continue to have a focus on management information systems, research and on the Library.

# Statement of Accounting Policies

For the Year ended 31 December 2002

## The Reporting Entity

UNITEC Institute of Technology was established under the Education Act 1976. The group consists of UNITEC Institute of Technology and the subsidiaries, New Zealand Institute of Technology Limited, Open Institute of Technology Limited, UNITEC Limited, UNITEC Recreation Trust, the UNITEC Trust and the UNITEC Apprenticeship Training Trust. These financial statements have been prepared in accordance with Section 41 of the Public Finance Act 1989 and Section 203 of the Education Act 1989, which includes the requirement to comply with generally accepted accounting practice.

## Measurement System

The measurement base adopted is that of historical cost, except in the case of land where the ORC (Optimised Replacement Cost) method has been used and buildings where ODRC (Optimised Depreciated Replacement Cost) has been used. Other assets are recorded at cost net of depreciation.

## Basis of Preparation of the Financial Statements

The Financial Statements include a Statement of Financial Performance, a Statement of Cash Flows, a Statement of Financial Position, a Statement of Movements in Equity, and Statement of Commitments and Contingencies.

UNITEC's mission statement, values, goals and objectives are highlighted in the Statement of Objectives. The Statement of Objectives is made up of goals, each of which is reported on using performance targets and performance measures. Cost of Services and Key Performances Details report on every area of UNITEC's activities, and these areas are summarised individually in note 3 Operating Costs and Revenue.

The major areas of UNITEC's activity are:

- Applied Technology Institute
- Faculty of Architecture and Design
- Faculty of Arts and Social Sciences
- Faculty of Business
- Ngaa Kaawai Oranga, Faculty of Health and Environmental Sciences

## Accounting Policies

The following accounting policies which materially affect the measurement of financial performance and financial position have been applied:

**1. Revenue.** Revenue has been recognised in the Statement of Financial Performance on an entitlement basis.

**2. Accounts Receivable.** Accounts receivable are shown at estimated realisable value after due allowance for any amounts not considered recoverable.

**3. Inventory.**

- a) Materials other than for trading are generally regarded as having been utilised at the time of receipt and are charged to the relevant activity at that time.
- b) Inventories held for trading operations have been valued at the lower of cost, determined on a first-in first-out basis, or net realisable value.

**4. Investments.** All short-term investments including those in subsidiaries are stated at the lower of cost or net realisable value.

**5. Financial Instruments.** Revenue and expenses in relation to all financial instruments are recognised in the Statement of Financial Performance. All financial instruments are recognised in the Statement of Financial Position. All financial instruments, except for loans which are recorded at cost, are shown at their fair values.

## **6. Fixed Assets**

**a. Land and buildings.** All land and buildings are revalued every three years. All buildings whether owned by the Ministry of Education or purchased or built out of UNITEC reserves since 1991 have been valued using the ODRC (Optimised Depreciated Replacement Cost) methodology by Telfer Young as at 1 January 2001. All land whether owned by the Ministry of Education or purchased out of UNITEC reserves since 1991 has been valued using the ORC (Optimised Replacement Cost) methodology by Telfer Young as at 1 January 2001. Crown-owned land and buildings are included as part of UNITEC's fixed assets. These were first recognised on 1 January 1995 and although legal title has not been transferred, UNITEC has assumed all the normal risks and rewards of ownership. Buildings constructed since 1 January 2001 have been valued at cost.

**b. Library collection.** The library collection is revalued at the end of each year at estimated replacement cost using values supplied by the Librarian which are considered by UNITEC to be appropriate for the collection. An allowance has been made for the expired portion of the estimated economic life of the collection. Increases in the value of the library collection are credited to the library collection asset revaluation reserve. Decreases in the value of the library collection are debited to the library collection asset revaluation reserve. If the library collection asset revaluation reserve develops a debit balance, this balance is written off to the Statement of Financial Performance.

**c. Other assets.** All other assets purchased since 1990 have been valued at cost and depreciated. Prior to 1990, other asset values were established on a fixed asset register either at cost or, where asset values were unknown, at an appropriate estimated value adjusted by depreciation.

**d. Additions.** Additions between valuations are recorded at cost.

**e. Depreciation.** Fixed Assets are depreciated at rates that will write off the cost or value of the asset over its estimated useful life. Land is not depreciated. The depreciation rates used in the preparation of these statements are as follows:

Buildings	2%	Straight Line	50 years
Plant and equipment	10%	Straight Line	10 years
Furniture and fittings	10%	Straight Line	10 years
Motor vehicles	20%	Straight Line	5 years
Computer equipment	33%	Straight Line	3 years
Office equipment	10%	Straight Line	10 years

**7. Capital Work in Progress.** Capital Work in Progress is valued on the basis of expenditure incurred and Certified Gross Progress Claim Certificates up to balance date. Financing costs have been capitalised during the construction of assets. Work in Progress is not depreciated. The total cost of a project is transferred to the relevant asset class on its completion and then depreciated.

**8. Goods and Services Tax.** UNITEC Institute of Technology is a registered person as defined by the Goods and Services Act 1985. These accounts have been prepared exclusive of GST and the balance payable to the Inland Revenue Department (IRD) is shown as a current liability in the Statement of Financial Position.



**9. Taxation.** Tertiary institutions are exempt from the payment of income tax as they are treated by the IRD as charitable organisations. Accordingly no charge for income tax has been provided for.

**10. Leases.** Finance leases, which effectively transfer to UNITEC and the group substantially all of the risks and benefits of ownership of the leased item, are capitalised at the present value of the minimum lease payments. The leased assets and corresponding liabilities are disclosed and the leased assets are depreciated over the period UNITEC is expected to benefit from their use.

Operating lease payments, where the lessors effectively retain substantially all the risks and benefits of ownership of the leased items, are included in the determination of the operating profit in equal instalments over the lease term.

**11. Employee Entitlements.** Provision is made in respect of UNITEC and groups liability for annual leave, long-service leave and retirement leave. Annual leave has been calculated on an actual entitlement basis at current rates of pay. Long-service and retirement leave have been calculated on an actuarial basis based on the present value of expected future entitlements.

**12. Development Costs.** Costs incurred on development of new courses are expensed in the period in which they have been incurred as the level of expenditure is relatively constant from year to year.

**13. Basis of Consolidation.** The UNITEC Recreation Trust, the UNITEC Trust and the UNITEC Apprenticeship Training Trust are subsidiaries of UNITEC Institute of Technology and therefore the consolidated financial statements include UNITEC and its trusts accounted for using the purchase method. All significant transactions between UNITEC and the trusts were eliminated upon consolidation.

UNITEC has three non-trading subsidiary companies, New Zealand Institute of Technology Limited, Open Institute of Technology Limited and UNITEC Limited. None of the subsidiary companies is currently trading or has traded in previous years. There are no assets or liabilities within those subsidiaries. Consequently, there has been no consolidation of their results.

The UNITEC Recreation Trust has been treated as a separate legal entity from the Council of UNITEC Institute of Technology other than for the above financial reporting purposes. Hence the mortgage from the UNITEC Recreation Trust to the National Bank is not subject to section 192 of the Education Act 1989.

**14. Student Allowances.** UNITEC and group have no involvement with the receipt or payment of student allowances other than with the processing of applications.

**15. Cost of Service Statements.** Cost of Service Statements, as provided in the Statement of Objectives and Service Performance, report the net cost of services for the significant activities of UNITEC, and are represented by Cost of Services less all non-EFTS funding that can be allocated to these activities.

**Changes in Accounting Policies.** There have been no changes in accounting policy. All accounting policies have been applied on bases consistent with the previous year.



# Statement of Financial Performance

For the Year ended 31 December 2002

		<b>2002</b>	<b>2002</b>	<b>2001</b>	<b>2002</b>	<b>2001</b>
		<b>UNITEC</b>	<b>UNITEC</b>	<b>UNITEC</b>	<b>Consolidated</b>	<b>Consolidated</b>
		<b>Actual</b>	<b>Budget</b>	<b>Actual</b>	<b>Actual</b>	<b>Actual</b>
	<b>Notes</b>	<b>\$000</b>	<b>\$000</b>	<b>\$000</b>	<b>\$000</b>	<b>\$000</b>
Government operational funding	1	43,732	43,293	39,026	43,732	39,026
Investment income		604	400	774	611	778
Tuition fees		46,551	40,430	37,703	46,512	37,703
Trading income	2	1,618	1,588	1,547	2,346	1,761
Revenue from services provided	3	6,465	3,580	5,660	6,465	5,660
Other income	4	1,448	1,089	2,310	1,448	2,310
<b>Total operating income</b>		<b>100,418</b>	<b>90,380</b>	<b>87,020</b>	<b>101,114</b>	<b>87,238</b>
<b>Less expenditure</b>						
Total faculty expenditure	3	96,704	86,451	84,919	96,704	84,919
Trading expenditure	2	2,395	2,316	2,419	3,026	2,596
<b>Total cost of operations</b>		<b>99,099</b>	<b>88,767</b>	<b>87,338</b>	<b>99,730</b>	<b>87,515</b>
<b>Net surplus (deficit) for the year</b>	5	<b>1,319</b>	<b>1,613</b>	<b>(318)</b>	<b>1,384</b>	<b>(277)</b>

The Statement of Accounting Policies and the Notes to the Financial Statements form part of and are to be read in conjunction with this Statement.

# Statement of Financial Position

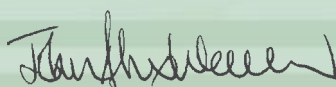
As at 31 December 2002

		2002	2002	2001	2002	2001
		UNITEC	UNITEC	UNITEC	Consolidated	Consolidated
		Actual	Budget	Actual	Actual	Actual
	Notes	\$000	\$000	\$000	\$000	\$000
<b>Assets</b>						
<b>Current assets</b>						
Cash and bank		2,015	896	623	2,131	761
Short-term investments	6	-	-	-	95	58
Accounts receivable	7	16,521	4,150	5,059	16,522	5,047
Inventory		470	261	439	470	439
Prepayments		313	208	236	320	236
<b>Total current assets</b>		<b>19,319</b>	<b>5,515</b>	<b>6,357</b>	<b>19,538</b>	<b>6,541</b>
<b>Non-current assets</b>						
Non current assets	8	86,712	91,281	83,280	88,427	85,032
Capital work in progress		7,151	-	5,772	7,151	5,772
<b>Total non-current assets</b>		<b>93,863</b>	<b>91,281</b>	<b>89,052</b>	<b>95,578</b>	<b>90,804</b>
<b>Total assets</b>		<b>113,182</b>	<b>96,796</b>	<b>95,409</b>	<b>115,116</b>	<b>97,345</b>
<b>Liabilities</b>						
<b>Current liabilities</b>						
Fees in advance		22,885	9,509	10,746	22,885	10,746
Accounts payable	9	9,628	7,226	6,501	9,671	6,558
Current portion of loan	10	-	-	-	58	55
Provision for employee entitlements	11	3,042	3,400	2,697	3,042	2,697
<b>Total current liabilities</b>		<b>35,555</b>	<b>20,135</b>	<b>19,944</b>	<b>35,656</b>	<b>20,473</b>
Loans	10	-	-	-	1,014	1,070
Employee entitlements	11	486	-	417	486	417
<b>Total non-current liabilities</b>		<b>486</b>	<b>-</b>	<b>417</b>	<b>1,500</b>	<b>1,070</b>
<b>Total liabilities</b>		<b>36,041</b>	<b>20,135</b>	<b>20,361</b>	<b>37,156</b>	<b>21,543</b>
<b>Net assets</b>		<b>77,141</b>	<b>76,661</b>	<b>75,048</b>	<b>77,960</b>	<b>75,802</b>
<b>Equity</b>						
Public equity	12	77,141	76,661	75,048	77,960	75,802
<b>Total equity</b>		<b>77,141</b>	<b>76,661</b>	<b>75,048</b>	<b>77,960</b>	<b>75,802</b>

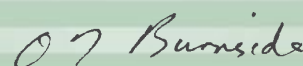
The Statement of Accounting Policies and the Notes to the Financial Statements form part of and are to be read in conjunction with this Statement.



**A Dickinson**  
Chairman of Council  
Date: 30 April 2003



**Dr J Webster**  
President and Chief Executive



**O T Burnside**  
Vice President, Finance

# Statement of Cash Flows

For the Year ended 31 December 2002

		2002	2002	2001	2002	2001
		UNITEC	UNITEC	UNITEC	Consolidated	Consolidated
		Actual	Budget	Actual	Actual	Actual
Notes		\$000	\$000	\$000	\$000	\$000
<b>Cash flows from operating activities</b>						
<b>Cash was provided from:</b>						
Government grants		43,115	42,911	39,231	43,115	39,231
Investment income		605	481	777	609	780
Revenue from services provided		58,371	48,933	43,328	59,233	43,697
		<b>102,091</b>	<b>92,325</b>	<b>83,336</b>	<b>102,957</b>	<b>83,708</b>
<b>Cash was applied to:</b>						
Employees and suppliers		83,456	86,078	79,832	84,187	80,041
Interest paid		-	-	-	67	83
Goods & Services Tax net		10,475	-	-	10,475	-
		<b>93,931</b>	<b>86,078</b>	<b>79,832</b>	<b>94,729</b>	<b>80,124</b>
<b>Net cash flows from operating activities</b>	13	<b>8,160</b>	<b>6,247</b>	<b>3,504</b>	<b>8,228</b>	<b>3,584</b>
<b>Cash flows from investing activities</b>						
<b>Cash was provided from:</b>						
Sale of assets		37	-	505	37	505
<b>Cash was applied to:</b>						
Purchase of assets		7,468	6,170	10,640	7,468	10,646
<b>Net cash flows from investing activities</b>		<b>(7,431)</b>	<b>(6,170)</b>	<b>(10,135)</b>	<b>(7,431)</b>	<b>(10,141)</b>
<b>Cash flows from financing activities</b>						
<b>Cash was provided from:</b>						
Capital injection		663	-	-	663	-
Loan raised		-	-	-	250	-
<b>Cash was applied to:</b>						
Settlement of debt		-	-	50	303	154
<b>Net cash flows from financing activities</b>		<b>663</b>	<b>-</b>	<b>(50)</b>	<b>610</b>	<b>(154)</b>
<b>Total net cash flows</b>		<b>1,392</b>	<b>77</b>	<b>(6,681)</b>	<b>1,407</b>	<b>(6,711)</b>
Opening balance cash and bank		623	819	7,305	819	7,530
<b>Closing balance cash and bank</b>						
Cash and bank		2,015	896	623	2,131	761
Short-term investments		-	-	-	95	58
<b>Closing balance cash and bank</b>		<b>2,015</b>	<b>896</b>	<b>623</b>	<b>2,226</b>	<b>819</b>

The Statement of Accounting Policies and the Notes to the Financial Statements form part of and are to be read in conjunction with this statement.

## Statement of Movements in Equity

For the Year ended 31 December 2002

	2002 UNITEC Actual \$000	2002 UNITEC Budget \$000	2001 UNITEC Actual \$000	2002 Consolidated Actual \$000	2001 Consolidated Actual \$000
<b>Equity at start of the period</b>	<b>75,048</b>	<b>75,048</b>	<b>65,836</b>	<b>75,802</b>	<b>66,555</b>
Transfer from restricted reserves	-	-	-	-	-
Net surplus (deficit)	1,319	1,613	(318)	1,384	(277)
Increase/(decrease) in library collection revaluation reserves	111	-	(201)	111	(201)
Increase/(decrease) in land revaluation reserves	-	-	3,515	-	3,515
Realisation on disposal	-	-	(50)	-	(50)
Increase/(decrease) in building revaluation reserves	-	-	6,266	-	6,260
Increase/(decrease) in restricted funds	-	-	-	-	-
<b>Total recognised revenues and expenses for the period</b>	<b>1,430</b>	<b>1,613</b>	<b>9,212</b>	<b>1,495</b>	<b>9,247</b>
Addition to equity	663	-	-	663	-
<b>Equity at end of the period</b>	<b>77,141</b>	<b>76,661</b>	<b>75,048</b>	<b>77,960</b>	<b>75,802</b>

The Statement of Accounting Policies and the Notes to the Financial Statements form part of and are to be read in conjunction with this statement.

# Notes to the Financial Statements

## 1. Government Operational Funding

This includes monies received from Government by way of an Operational Bulk Grant which is based on equivalent full-time students (EFTS) levels and the funding category levels of these EFTS and specific purpose related grants. An analysis of Government operational funding is as follows:

	2002 Consolidated/ UNITEC Actual \$000	2002 Consolidated/ UNITEC Budget \$000	2001 Consolidated/ UNITEC Actual \$000
Operational bulk grant	43,277	43,095	38,710
Other Government funding	25	25	25
Disabilities grant	187	173	167
Support for Maori & Pacific Island peoples	132	-	124
Strategic change fund	111	-	
<b>Total Government operational funding</b>	<b>43,732</b>	<b>43,293</b>	<b>39,026</b>

## 2. Surpluses on Trading Activities

Trading activities incorporate the activity areas detailed below which reflect the major income generating activities outside of normal faculty operations. Institute overheads are allocated to these activities on a basis consistent with that applied to faculty operations.

	2002 UNITEC Actual \$000	2002 UNITEC Budget \$000	2001 UNITEC Actual \$000	2002 Consolidated Actual \$000	2001 Consolidated Actual \$000
<b>Income</b>					
Business Development	191	300	317	191	317
Halls of Residence	497	464	466	497	466
Sport Centre	610	562	602	610	602
Building training projects	320	262	162	320	162
Trust income	-	-	-	728	214
<b>Total income</b>	<b>1,618</b>	<b>1,588</b>	<b>1,547</b>	<b>2,346</b>	<b>1,761</b>
<b>Expenditure</b>					
Trading materials	293	266	171	293	171
Class materials	21	23	36	21	36
Salaries and wages	783	741	860	783	860
Depreciation	83	68	79	120	117
Administration	523	716	681	523	681
General expenses	692	502	592	692	592
Trust expenditure	-	-	-	594	139
<b>Total expenditure</b>	<b>2,395</b>	<b>2,316</b>	<b>2,419</b>	<b>3,026</b>	<b>2,596</b>
<b>Surplus (deficit) on trading activities</b>	<b>(777)</b>	<b>(728)</b>	<b>(872)</b>	<b>(680)</b>	<b>(835)</b>



### 3. Operating Costs and Revenue by Faculty

For the year ended 31 December 2002

	2002 Consolidated/ UNITEC Actual \$000	2002 Consolidated/ UNITEC Budget \$000	2001 Consolidated/ UNITEC Actual \$(000)
<b>Total costs</b>			
Applied Technology Institute	11,964	10,395	10,029
Faculty of Architecture and Design	21,495	20,106	20,755
Faculty of Arts and Social Sciences	25,241	23,067	21,999
Faculty of Business	23,200	19,130	18,207
Ngaa Kaawai Oranga, Faculty of Health and Environmental Sciences	14,804	13,753	13,929
<b>Total faculty expenditure</b>	<b>96,704</b>	<b>86,451</b>	<b>84,919</b>
<b>Income from services provided</b>			
Applied Technology Institute	433	436	415
Faculty of Architecture and Design	338	386	457
Faculty of Arts and Social Sciences	4,224	1,491	3,246
Faculty of Business	749	654	1,074
Ngaa Kaawai Oranga, Faculty of Health and Environmental Sciences	721	613	468
<b>Total faculty income from services provided</b>	<b>6,465</b>	<b>3,580</b>	<b>5,660</b>
<b>Net cost of services</b>			
Applied Technology Institute	11,531	9,959	9,614
Faculty of Architecture and Design	21,157	19,720	20,298
Faculty of Arts and Social Sciences	21,017	21,576	18,753
Faculty of Business	22,451	18,476	17,133
Ngaa Kaawai Oranga, Faculty of Health and Environmental Sciences	14,083	13,140	13,461
<b>Total net faculty expenditure</b>	<b>90,239</b>	<b>82,871</b>	<b>79,259</b>

#### 4. Other income

This includes income generated from ETSA Skill Enhancement Programmes, TOP, contract education, donations and other miscellaneous income not specific to individual faculties. An analysis of other income is as follows:

	<b>2002</b>	<b>2002</b>	<b>2001</b>
	<b>Consolidated/</b>	<b>Consolidated/</b>	<b>Consolidated/</b>
	<b>UNITEC</b>	<b>UNITEC</b>	<b>UNITEC</b>
	<b>Actual</b>	<b>Budget</b>	<b>Actual</b>
	<b>\$000</b>	<b>\$000</b>	<b>\$000</b>
Donations	316	-	421
ETSA Skill Enhancement	-	-	40
TOPS	450	489	532
Contract education	209	120	353
Miscellaneous	473	480	964
<b>Total other income</b>	<b>1,448</b>	<b>1,089</b>	<b>2,310</b>

#### 5. Operating Revenue and Expenses

The net surplus from operations is after allowing for:

	<b>2002</b>	<b>2001</b>	<b>2002</b>	<b>2001</b>
	<b>UNITEC</b>	<b>UNITEC</b>	<b>Consolidated</b>	<b>Consolidated</b>
	<b>Actual</b>	<b>Actual</b>	<b>Actual</b>	<b>Actual</b>
	<b>\$000</b>	<b>\$000</b>	<b>\$000</b>	<b>\$000</b>
Audit fees - external audit	40	42	44	43
- other services	4	-	4	-
<b>Depreciation:</b>				
Crown buildings	506	652	506	652
Institute buildings	980	644	1,016	680
Plant and equipment	398	393	398	393
Furniture and fittings	255	267	255	267
Motor vehicles	160	169	160	169
Computer equipment	1,598	1,602	1,598	1,603
Office equipment	118	120	118	120
Library collection	436	494	435	494
Councillors' fees	64	58	64	58
Bad debts written off	511	6	520	6
Interest expense	-	-	68	83
Lease charges (operating leases)	3,396	2,039	3,396	2,039
Change in provision for doubtful debts	-	300	-	300
Gain/(Loss) on sale of assets	(1)	257	(1)	257
Donations	316	-	366	-

### Councillors' Fees

The following fees were earned by members of the UNITEC Council during the year. Council fees and expenses exclude remuneration to staff members who serve on Council.

Council Member	2002	2001
JDS Robb (Chair)	19,500	19,500
S Chan	4,845	3,825
D Cooke	1,275	-
G Costello	3,570	3,825
A Davidson	-	3,825
A Dickinson	5,482	3,825
M Fletcher	2,040	-
M Glen	2,295	2,040
R Knight	510	-
J Lawley	1,530	-
H Lieshout	3,570	3,825
K Millar	1,785	2,550
R Reid	5,355	3,825
L Thomson	1,275	-
M Tunks	2,295	2,295
J Turei	1,785	2,514
P Wilkening	-	2,295
P Winter	1,275	-
A Wood	5,738	4,208
	<b>64,125</b>	<b>58,352</b>

### 6. Short-term Investments

Short-term investments are made up as follows:

	2002 UNITEC Actual \$000	2001 UNITEC Actual \$000	2002 Consolidated Actual \$000	2001 Consolidated Actual \$000
BNZ short-term investments	-	-	95	58
<b>Total short-term investments</b>	<b>-</b>	<b>-</b>	<b>95</b>	<b>58</b>

### Interest Rates

The effective interest rate was 5.60%

## 7. Accounts Receivable

	2002	2001	2002	2001
	UNITEC	UNITEC	Consolidated	Consolidated
	Actual	Actual	Actual	Actual
	\$000	\$000	\$000	\$000
Trade debtors	965	756	876	756
Other amounts receivable	15,956	4,703	16,046	4,691
Less provision for doubtful debts	(400)	(400)	(400)	(400)
<b>Total accounts receivable</b>	<b>16,521</b>	<b>5,059</b>	<b>16,522</b>	<b>5,047</b>

## 8. Non-current Assets

	Cost/Valuation			Provision for Depreciation			Net Book Value		
	2002	2002	2001	2002	2002	2001	2002	2002	2001
	UNITEC	Cons.	Cons.	UNITEC	Cons.	Cons.	UNITEC	Cons.	Cons.
	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual
	\$ (000)	\$ (000)	\$ (000)	\$ (000)	\$ (000)	\$ (000)	\$ (000)	\$ (000)	\$ (000)
Land (Crown) valuation	5,665	5,665	5,665	-	-	-	5,665	5,665	5,665
Land (Institute) valuation	10,815	10,815	10,811	-	-	-	10,815	10,815	10,811
Buildings (Crown) valuation	25,288	25,288	25,288	1,089	1,089	583	24,199	24,199	24,705
Buildings (Institute) valuation	39,972	41,755	36,652	1,693	1,764	748	38,279	39,991	35,904
Plant and equipment (cost)	5,339	5,339	6,686	3,328	3,328	4,620	2,011	2,011	2,066
Furniture and fittings (cost)	2,958	2,958	3,709	2,262	2,262	2,815	696	696	894
Motor vehicles (cost)	1,360	1,360	1,474	934	934	1,122	426	426	352
Computer equipment (cost)	10,414	10,420	11,476	8,351	8,354	9,422	2,063	2,066	2,054
Office equipment (cost)	1,242	1,242	1,502	822	822	1,004	420	420	498
Library collection (valuation)	2,138	2,138	2,082	-	-	-	2,138	2,138	2,082
<b>Total of non-current assets</b>	<b>105,191</b>	<b>106,980</b>	<b>105,345</b>	<b>18,479</b>	<b>18,553</b>	<b>20,313</b>	<b>86,712</b>	<b>88,427</b>	<b>85,032</b>

Land and buildings were valued by Telfer Young, registered valuers as at 1 January 2001. The valuation basis is ORC for land and ODRC for buildings.  
(Refer to Accounting Policy Note 6).

## 9. Accounts Payable

Accounts payable are made up as follows:

	2002	2001	2002	2001
	UNITEC	UNITEC	Consolidated	Consolidated
	Actual	Actual	Actual	Actual
	\$000	\$000	\$000	\$000
Trade creditors	1,605	1,263	1,648	1,325
Accruals	8,023	5,238	8,023	5,233
<b>Total accounts payable</b>	<b>9,628</b>	<b>6,501</b>	<b>9,671</b>	<b>6,558</b>

## 10. Non-current Liabilities

	2002 UNITEC Actual \$000	2001 UNITEC Actual \$000	2002 Consolidated Actual \$000	2001 Consolidated Actual \$000
National Bank loan opening balance	-	-	1,125	1,279
Repayments	-	-	(303)	(154)
Loans raised	-	-	250	-
Closing balance	-	-	1,072	1,125
Current portion loan liability	-	-	58	55
Non-current portion loan liability	-	-	1,014	1,070

\* The UNITEC Recreation Trust has a 20-year mortgage with the National Bank at an interest rate of 6.62%.

## 11. Provision for Employee Entitlements

	2002 UNITEC Actual \$000	2001 UNITEC Actual \$000	2002 Consolidated Actual \$000	2001 Consolidated Actual \$000
Provision for holiday pay	2,941	2,580	2,941	2,580
Provision for retirement leave	293	274	293	274
Provision for long service leave	294	260	294	260
Total employee entitlements	3,528	3,114	3,528	3,114
<b>Made up of:</b>				
Current	3,042	2,697	3,042	2,697
Non current	486	417	486	417
<b>Total</b>	<b>3,528</b>	<b>3,114</b>	<b>3,528</b>	<b>3,114</b>

## 12. Public Equity

This balance consists of the accumulated surplus and reserves.

	<b>2002</b>	<b>2001</b>	<b>2002</b>	<b>2001</b>
	<b>UNITEC</b>	<b>UNITEC</b>	<b>Consolidated</b>	<b>Consolidated</b>
	<b>Actual</b>	<b>Actual</b>	<b>Actual</b>	<b>Actual</b>
	<b>\$000</b>	<b>\$000</b>	<b>\$000</b>	<b>\$000</b>
<b>Accumulated surplus</b>				
Opening balance	62,395	62,713	63,027	63,304
Net surplus (deficit) for the year	1,319	(318)	1,384	(277)
Addition to equity	663	-	663	-
<b>Closing balance</b>	<b>64,377</b>	<b>62,395</b>	<b>65,074</b>	<b>63,027</b>
<b>Library revaluation reserve</b>				
Opening balance	667	868	667	868
Revaluation	111	-	111	-
Devaluation	-	(201)	-	(201)
<b>Closing balance</b>	<b>778</b>	<b>667</b>	<b>778</b>	<b>667</b>
<b>Land revaluation reserve</b>				
Opening balance	5,720	2,255	5,720	2,255
Revaluation	-	3,515	-	3,515
Realisation on disposal	-	(50)	-	(50)
<b>Closing balance</b>	<b>5,720</b>	<b>5,720</b>	<b>5,720</b>	<b>5,720</b>
<b>Building revaluation</b>				
Opening balance	6,266	-	6,388	128
Revaluation	-	6,266	-	6,260
<b>Closing balance</b>	<b>6,266</b>	<b>6,266</b>	<b>6,388</b>	<b>6,388</b>
<b>General equity</b>	<b>77,141</b>	<b>75,048</b>	<b>77,960</b>	<b>75,802</b>

### 13. Reconciliation of the Net Surplus from Operations with the Net Cash Flows from Operating Activities

	2002 UNITEC Actual \$000	2001 UNITEC Actual \$000	2002 Consolidated Actual \$000	2001 Consolidated Actual \$000
<b>Net surplus/(deficit) for the year</b>	<b>1,319</b>	<b>(318)</b>	<b>1,384</b>	<b>(277)</b>
<b>Add non-cash items:</b>				
Depreciation	4,451	4,341	4,487	4,378
Increase (decrease) in non-current employee entitlement	345	(135)	345	(135)
Bad debts written off	511	6	520	6
Non-current assets written off	23	-	23	-
Change in provision for doubtful debts	-	300	-	300
<b>Add (less) movements in working capital:</b>				
Increase (decrease) in fees in advance	12,139	(1,147)	12,139	(1,147)
Decrease (increase) in accounts receivable	(11,462)	499	(11,514)	512
Decrease (increase) in prepayments	(79)	(114)	(79)	(114)
Increase (decrease) in accounts payable	875	483	885	472
Decrease (increase) in inventory	(32)	(154)	(32)	(154)
Increase in current employee entitlements	69	-	69	-
<b>Add (less) items classified as investing activities:</b>				
Net loss (gain) on sale of assets	1	(257)	1	(257)
<b>Net cash flows from operating activities</b>	<b>8,160</b>	<b>3,504</b>	<b>8,228</b>	<b>3,584</b>

### 14. Grants

Details of the Income and Expenditure of Grants (GST exclusive) in relation to the purpose for which they are given are set out below as required by the Public Finance Act 1989. These grants have been incorporated in the respective income and expenditure categories.

Types of grants	2002 Consolidated/UNITEC		2001 Consolidated/UNITEC	
	\$000	\$000	\$000	\$000
	Income	Expenditure	Income	Expenditure
Special education	25	25	25	25
Support for Maori and Pacific peoples	132	154	124	102
<b>Total grants</b>	<b>157</b>	<b>179</b>	<b>149</b>	<b>127</b>

### 15. Segmental Information

UNITEC operates predominantly in one industry (tertiary education) and in one geographical area (Auckland, New Zealand).





## 16. Related Party Information

UNITEC is a wholly owned entity of the Crown. The government influences the role of UNITEC as well as being its major source of revenue.

UNITEC enters into transactions with government departments and Crown agencies. These are separately disclosed elsewhere in the financial report.

In 2002 UNITEC paid the UNITEC Recreation Trust rental of \$172,000 (2001, \$172,000) for the use of the UNITEC Trust Recreation Centre.

There was an amount of \$68,000 owing (2001 \$50,000) to UNITEC from UNITEC Apprenticeship Training Trust

During the year UNITEC purchased materials from Goodwood Industries Limited, a manufacturing company, of which Mr John Robb, the Chairman of Council of UNITEC is a director. These goods were supplied on normal commercial terms at a cost of \$14,074. There were no other related party transactions.

## 17. Financial Instruments

UNITEC has a series of policies providing risk management for interest rates, foreign currency and credit. UNITEC is party to financial instrument arrangements as part of its everyday operation. These financial instruments include bank accounts, bank deposits, accounts receivable, accounts payable and term borrowings and are recognised in the Statement of Financial Position.

**Interest Rate Risk.** There are no interest rate options or interest rate swap agreements in place as at 31 December 2002.

**Foreign Currency Risk.** There is no foreign currency risk as at 31 December 2002.

**Concentration of Credit Risk.** Financial instruments which potentially subject UNITEC to concentrations of risk consist primarily of cash, short-term investments and accounts receivable.

UNITEC places its cash and short-term investments with high-credit quality financial institutions and sovereign bodies and limits the amount of credit exposure to any one financial institution. Concentrations of credit risk with respect to accounts receivable are limited due to the low level of revenue generated by customers other than the New Zealand Government.

The following methods and assumptions were used to estimate the fair value of each class of financial instrument for which it is practical to estimate the value:

**Cash.** The carrying amount of cash and bank balances is equivalent to their fair value.

**Short-term Investments.** For the purpose of compliance with generally accepted accounting practice, the carrying amounts of all short-term investments are stated at the lower of cost or market value. The fair value of short-term investments is estimated based on quoted market prices for those instruments at balance date.

**Accounts Receivable.** The carrying value of all accounts receivable is after making allowance for doubtful debts (\$400,000 for student debtors).

The estimated fair value of UNITEC's financial instruments as at 31 December 2002 is not significantly different from the carrying value.

## 18. Post Balance Date

UNITEC is currently involved in merger talks with Auckland University of Technology. The outcome of these talks is uncertain.

## Statement of Commitments and Contingencies

### Statement of Commitments as at 31 December 2002

	<b>Actual 2002 \$(000)</b>	<b>Actual 2001 \$(000)</b>
<b>Capital commitments approved and contracted</b>	<b>3,263</b>	<b>2,277</b>
<b>Non-cancellable operating lease commitments</b>		
<b>Land and buildings</b>		
Not later than one year	533	400
Later than one year and not later than two years	462	400
Later than two years and not later than five years	101	400
<b>Property and equipment</b>		
Not later than one year	3,829	3,092
Later than one year and not later than two years	2,540	2,301
Later than two years and not later than five years	1,598	1,267
Later than five years	-	8
	<b>9,063</b>	<b>7,868</b>
<b>Other non-cancellable contracts</b>		
At balance date UNITEC had also entered into non-cancellable contracts for software maintenance, communications and other contracts of service.		
<b>Details of commitments under these contracts are as follows:</b>		
Not later than one year	587	506
Later than one year and not later than two years	587	506
Later than two years and not later than five years	972	502
	<b>2,146</b>	<b>1,514</b>
<b>Total Commitments</b>	<b>14,472</b>	<b>11,659</b>

In addition to the above commitments, Council has authorised the following, but at balance date these were not contracted.

	<b>Actual 2002 \$000</b>	<b>Actual 2001 \$000</b>
Capital equipment	1,554	1,300
Minor capital equipment	1,523	740
Marae	240	240
Siteworks and site services	125	90
Building projects	392	-
<b>Total</b>	<b>3,834</b>	<b>2,370</b>

### Statement of Contingent Liabilities as at 31 December 2002

- UNITEC is defending two personal grievance claims outstanding as at 31 December 2002 and two unresolved student grievance issues. The financial effect of these claims is not considered to be material and has not been accrued as a liability.
- The student hostel accommodation at 1510 Great North Road and Building Complex 310 was developed by Townscape Drummond Limited. UNITEC has an agreement with Townscape Drummond that guarantees an 85% occupancy rate for 40 weeks each year for a 10-year period. There was no liability for the 2002 or 2001 financial year. For the remaining term of the agreement the total sum guaranteed is \$12,261,962.
- Land owned by UNITEC is subject to claims under the Waitangi Tribunal. The likely outcome of these claims is unknown.

## Statement of Resources

### Site and Location

UNITEC's main campus, with access off Carrington Road, Auckland, has an overall area of 54.05 hectares. Buildings acquired as a result of the purchase from the Auckland Area Health Board in late 1992 are fully integrated into the teaching accommodation requirements of UNITEC. Evaluation of Institute-wide building utilisation levels continues to be a high priority. Extensive analysis of performance in this area is being undertaken prior to the approval of further teaching accommodation.

### Gross Building Areas (in square metres)

	UNITEC Campus (m2)			
	2002	2001	2000	1999
Purpose built	48,615	46,075	43,367	38,565
Pre-existing	40,211	34,339	33,685	38,155
Temporary/Leased	5,802	7,670	5,716	6,016
<b>Total</b>	<b>94,628</b>	<b>88,084</b>	<b>82,768</b>	<b>82,736</b>

*The gross areas on the main campus include administration, bookshops, cafeterias, student and staff services, library, maintenance, student union and seminar centre, student learning complex, and recreation centre.*

### Faculty Usable Areas

Teaching areas on the main campus and including the leased premises were distributed across the faculties as follows:

Faculties	2002	2002	2001
	Faculty Useable area (m2)	Percent of total	Faculty Useable area (m2)
Applied Technology Institute	8,930	17.36%	8,970
Faculty of Architecture and Design	19,033	37.00%	17,747
Faculty of Arts and Social Sciences	8,683	16.88%	8,288
Faculty of Business	7,149	13.90%	6,180
Ngaa Kaawai Oranga, Faculty of Health and Environmental Sciences	7,642	14.86%	7,045
<b>Total Faculty Useable area</b>	<b>51,437</b>	<b>100.00%</b>	<b>48,230</b>

*Calculations are based on the Australian Association of Higher Education Facilities Offices (AAPFA) definitions.*

THINKSPACE



# Appendices



FOR THE YEAR ENDED 31 DECEMBER 2002

# The Council of UNITEC

## Chairperson

**J D S Robb** MBA Auck., ANZIM

## Deputy Chairperson

**A E Wood** MIPENZ  
Auckland City Council

## Secretary

**R U Ewert** LL.M Well., MBA Auck.  
Registrar, UNITEC Institute of Technology

## Members

**J A Webster** BSc Eng, MSc, PhD Aberd., FIE Aust., FIPENZ, FIE Ireland  
President and Chief Executive, UNITEC Institute of Technology

**S M Chan** JP, MTax BCom Auck., FCA, CMA, ANZIM, METI  
Institute of Chartered Accountants, New Zealand

**D Cooke MA**, PhD Essex, Dip Tchg  
Academic Staff Representative, UNITEC Institute of Technology

**G Costello** LLB Auck., CPM & IR  
Employees' Representative

**A Q Dickinson** FNZIQS, AAQIS  
Ministerial Appointment

**M Fletcher** BIC  
Student Representative

**M L A Glen** FIPENZ, IPM UK  
Ministerial Appointment

**R Knight** LLB  
Co-opted

**J Lawley** MSc (Oxon), BSocSc, Dip Tchg, Dip Guid/Counselling  
Ministerial Appointment

**H Lieshout**  
Auckland Master Builders Association

**K Millar**  
Allied Staff Representative, UNITEC Institute of Technology

**R T Reid**  
Co-opted - Waitakere City

**E Thomson** DipHSC, DipTchg, JP  
Co-opted

**M S Tunks** MEd, Dip ISI City & Guilds Lond., Dip Ed Studies, TTC (HomEc) ACE  
Whanau O Waipareira

**Sir J J Turei** KNZM, CBE, QSM, 1990 Com. Medal, HonBIC, HonPhD  
Runanga, UNITEC Institute of Technology

**P Winter**  
Ministerial Appointment

# Senior Management Team of UNITEC

## Chief Executive and Vice-Presidents

### President and Chief Executive

**J A Webster** BSc Eng, MSc, PhD Aberd., FIE Aust., FIPENZ, FIE Ireland

### Vice-President Academic

**A P Codling** BSc(Hons), MSc Auck., MEdAdmin NE., EdD NE.

### Vice-President Campus Development

**R M Paul** BArch(Hons) Auck., ANZIA

### Vice-President Finance

**O T Burnside** BCom Auck., CA

### Registrar

**R U Ewert** LL.M Well., MBA Auck.

### Pae Arahi

**H Paniora**

## Directors

### Academic Development

**M Barrow** MSC, Dip Tchng

### Institute Relations

**R A Walshe** BA Otago, MBA Massey, DipTchg, PGDipArts

### Planning and Student Affairs

**T J Fulljames** MEdAdmin Massey, NZDipBus, AdvDipMgmt, LTCL, MNZIM

## Deans

### Applied Technology Institute

**M A Hall** BSc Oakland, MEd Auck., PhD Southern California, MINZMI, MSAE, NZATC(Auto Eng)

### Architecture and Design

**J P Boon** MBA, MProp Auck., FRICS, ANIQS, MNZIOB, MAACE, MAIPM

### Arts and Social Sciences

**R V Smyth** LLB(Hons) Belf., MEd Auck., DipEd, PGCE

### Business

**Prof G M McDonald** BBS Massey, MBA W.Aust, PhD Lond.

### Ngaa Kaawai Oranga, Health and Environmental Sciences

**J E Harman** MSc, PhD Lond.

## Senior Corporate Managers

### Centre for International Education

**J A Lydia** BA Massey, DipTchg, DipSocSci

### Centre for Learning Technologies

**R L Elliott** MEdAdmin Massey, MRSNZ

### Information Technology Support Centre

**A J McMaster** ME Auck., MemTEEE, MIPENZ

### Wagener Library

**J E Lewins** NZLAC, DipMgt

# Glossary

**AACT** Auckland Air Cadet Trust

**AAPPA** Australasian Association of Higher Education Facilities Officers

**ANZAM** Australian and New Zealand Academy of Management

**ASCILITE** Australasian Society for Computers in Learning in Tertiary Education

**ASK IT** One stop shop helpdesk for UNITEC student computing

**ANZTSR** Australia New Zealand Third Sector Research

**AUT** Auckland University of Technology

**BAT** Bachelor of Applied Technology

**BFEIC** Beijing Fanzhidu Information Consulting Co Ltd

**Blackboard** Web based course management system

**CEQ** Course Experience Questionnaire

**EBS** European Business School

**EedO** Equal Educational Opportunity

**EEO** Equal Employment Opportunity

**EFTS** Equivalent Full-time Student

**ETSA** Education and Training Support Agency

**FTE** Full-time Equivalent

**Green Card** A summary of course information and standards for every student enrolling in every course as part of UNI Q.

**GEM** Global Entrepreneurship Monitor

**GST** Goods and Services Tax

**ICANZ** Institute of Chartered Accountants New Zealand

**IELTS** International English Language Test Score

**IPENZ** Institute of Professional Engineers New Zealand

**ITAB** Industry Training Association Board

**ITESM** Instituto Tecnológico y de Estudios Superiores de Monterrey

**ITO** Industry Training Organisation

**ITSC** Information Technology Support Centre

**KATTI** Kei a tatou te ihi

**Maia** UNITEC's Maori Development Centre

**MIT** Manukau Institute of Technology

**MoE** Ministry of Education

**NZPPC** New Zealand Polytechnic Programmes Committee

**NZQA** New Zealand Qualifications Authority

**ODRC** Optimised Depreciated Replacement Cost

**ORC** Optimised Replacement Cost

**PAS** Professional Accounting School

**RMIT** Royal Melbourne Institute of Technology

**SEQUAL** Student Evaluation of Quality and Learning

**SCIT** School of Computing and Information Technology

**SIFE** Students in Free Enterprise

**SMT** Senior Management Team

**SNZ** Skill New Zealand

**SPARC** Sport and Recreation New Zealand

**SSG** Special Supplementary Grant for students with disabilities

**SSR** Student : Staff Ratio

**STAR** Secondary Tertiary Alignment Resources

**TEAC** Tertiary Education Advisory Commission

**TEC** Tertiary Education Commission

**TOP** Training Opportunities Programme

**TTEC** Transitional Tertiary Education Commission

**UATI** UNITEC Applied Technology Institute

**UNI Q** A five point plan of quality assurance

**USU** UNITEC Student Union

**WINZ** Work and Income New Zealand

**WWW** World Wide Web or Internet. UNITEC maintains a homepage at <http://www.unitec.ac.nz>





**UNITEC**  
INSTITUTE OF TECHNOLOGY  
*Te Whare Wānanga o Wairaka*  
AUCKLAND • NEW ZEALAND

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[www.unitec.ac.nz](http://www.unitec.ac.nz)



# UNITEC Awards

## Honorary Fellowship

The UNITEC Council confers Honorary Fellowships for notable, outstanding and exceptional dedication contributing significantly to the Institute's past, present and future.

2002	Robert (Bob) Matthew
2001	Isabelle Sherrard  Dean, Faculty of Health, Science and Technology 1991-1998, joined UNITEC as Course Supervisory Health Students 1985 then as Head of Department until 1991. Appointed Conciliator 1998 to date.  Sir Ron Carter  Leadership of UNITEC's Capital Campaign 1999-2000
2000	No award was conferred.
1999	Brian Astill  Deputy Chief Executive 1985 – 1998, joined UNITEC as Head of Accountancy, Law and Finance in 1980.
1998	Douglas Armstrong  President and Chief Executive Officer 1985 – 1998, foundation staff member 1976
1998	Bryan Bartley  Chairman of Council, 1991 - 1998
1997	Alan Wood  Deputy Chairman, serving UNITEC Council 1978 - 1997
1996	Beryl Hughes  Member of Council 1986-1996, previously serving on Nursing Advisory Board
1996	Ken Woods  Tutor (carpentry), foundation staff member 1976-1996
1996	Robert (Bob) Harvey  Supporter and advocate of UNITEC over many years
1995	Ken Williams  Member of NDA programme, Business Advisory Committee member from 1990, industry liaison
1995	Jim Hughes  Lecturer (quantity surveying), foundation staff member 1976 - 1995
1994	Tom Dixon  Member of Council 1987 - 1990, Architecture Advisory Committee member from 1987

1994	Noelene Main	Registrar 1975 - 1989, Secretary to Council 1975 - 1989
1994	John Turei	Member of Council from 1987, Kaumatua from 1985
1992	Gordon Glover	Member of Council 1979 - 1990
1992	Hal Puch	Associate Director 1985 - 1992
1992	Wilf Wagener	Inaugural Chair of Council 1975 - 1990
1991	Charles Taylor	Inaugural Principal 1976 - 1985

## Trust Staff Awards

These annual awards are presented to outstanding staff in recognition of the excellence and considerable service they bring to all levels of the Institute's success.

## Teaching Excellence

Recognises staff that demonstrate excellence in teaching and a commitment to continuously improve their teaching.

2002	Darrell Meehan	Applied Technology Institute
	Lorne Roberts	Ngaa Kaawai Oranga Health and Environmental Sciences
	Sue Emerson	Ngaa Kaawai Oranga Health and Environmental Sciences
	Jin Lan Yang	Arts and Social Sciences
	Glenda Jacobs	Business

## Programme Leadership

Acknowledges the crucial role played by Programme Leaders in meeting the demands of students, staff colleagues and Heads of Department.

2002	David Nummy	Architecture and Design
	Jocelyn Williams	Business

## Service Leadership

Endorses excellence, service and leadership by leaders of central units or faculty administration staff.

2002	Tania Morris	UNITEC Waitakere
	Kate Pullen	Arts and Social Sciences

## Quality of Service

Recognises the importance UNITEC places on the quality of service our clients experience from both academic and allied staff.

2002	Cynthia Almeida	Graduate School
	Karalee Connolly	Maia
	Eleanor Hay	Information Technology Support Centre
	Raewyn Smith	Arts and Social Sciences
	Bernard Caughey	Architecture and Design

## Research Excellence

This award recognises research excellence that supports the goals, direction and programmes of a department and UNITEC. The research has been peer reviewed, either externally or within the faculty.

2002	Yunxia Zhu Hamish Mackie Jo Drayton	Business Ngaa Kaawai Oranga Health and Environmental Sciences Architecture and Design
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## Exceptional Service

This award acknowledges a sustained contribution to UNITEC's progress in achieving a significant, sustained and substantial contribution to UNITEC's progress in achieving its goals by taking a leadership role in a key project.

2002	Neil Wells Malcolm Angus	Ngaa Kaawai Oranga Health and Environmental Sciences Ngaa Kaawai Oranga Health and Environmental Sciences
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## Chief Executive Officer's Special Award

Adjunct Professor David Thom      Architecture and Design

## Advisory Committees 2002

### Accountancy, Law and Finance

**Chairperson** – K Williams, Williams & Co, Chartered Accountants, Auckland

#### **Members**

G Cathcart, Cullen Investments Ltd J Sinclair, Principal, Lynfield College B McLean, ACE Training Ltd J Sutherland S Stafford-Bush, Wilson Stafford-Bush Ltd	J Cozens, Phoenix Recruitment Ltd Stewart, Managing Director, Viision Insurance C Young, O'Halloran and Co Ltd R Nadarajah, Auckland
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#### **UNITEC Staff**

G McDonald L Rainsbury	O Burnside D Hodges	B Bennett P Malcolm
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## Animal Technology

**Chairperson** – M Robson, Onewa Road Vet Hospital Ltd until November 2002  
S Standley, Curator, Auckland Zoo (November 2002)

#### **Members**

T Didovich, Manager Waitakere City Council M Simpson, Auckland Veterinary Services Ltd M Robson, VSG N Easthope, Student Representative	E Culham, MAF Auckland Airport S Bruce, Guide Dog Services P Blomkamp, CEO NZRSPCA M Whybrow, Student Representative
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#### **UNITEC Staff**

Dr J Harman D Fraser	R Paul N Wells	J Nicholson L Roberts
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## Architecture

**Chairperson** – M Bowes, Architectus

#### **Members**

A Bell	Pete Bossley Architects
--------	-------------------------

L Naismith, Architects  
E MacKellar, Jasmax Ltd

J Sofo, Andrews Scott Cotton Ltd  
M Bourke, Student Representative

### **UNITEC Staff**

T van Raat  
L Reilly

R Birchmore  
J Boon

J Sutherland  
R Paul

M Austin

## **Bachelor of Arts**

**Chairperson** – D Burke-Kennedy, Director, Communique Publicity Ltd

### **Members**

L Germoni, NZ China Trade Association  
J Campbell, Auckland  
G Raven, Business Consultant, Auckland

D Broadhead, NZ Sugar Company, Chelsea  
M Allen, Department of History, University of Auckland  
J Mortimer-Hughes, Head of Languages, Marist Sisters' College  
W Thompson, International Languages Advisor, Auckland College of Education  
Dr M Hanne, Department European Languages, University of Auckland

### **UNITEC Staff**

B Beckman

R Smyth

N Shackelford

## **Carpentry**

**Chairperson** – (rotated among members at each meeting)

### **Members**

R Bindon, Auckland  
P West, Auckland  
G Matches, Matches Construction, Auckland  
P Neven, Fletcher Construction Ltd, Auckland

G Shuttleworth, NZ Certified Builders Association Inc. Auckland  
D Savage, Gibson and O'Connor Ltd  
K Bisman, Hawkins Construction Ltd, Auckland

### **UNITEC Staff**

Dr M Hall

R Harrison

P Jeurissen

R Paul

## **Civil Engineering**

**Chairperson** – Doug Low, Morrison Low Consultants Ltd.

### **Members**

C Ellis, Winstone Aggregates  
Dr P Lipscombe, Senior Engineer, URS NZ Ltd  
T Gibson, Gibson Consultants  
R Frost, Beca Carter Hollings & Ferner Ltd

G East, Geotechnical Scientist, Works Consultancy  
D Booth, McBreen Jenkins Construction  
M Brown, General Manager, Works Civil Construction  
S Newbury, Student Representative

### **UNITEC Staff**

J Boon  
R Paul

F Kirman  
G Smith

J Leaver

## **Communication**

**Chairperson** - S Hart, Director, Sheffield Consulting Group Ltd

### **Members**

J Alley, Jan Alley & Associates  
Professor K Inkson, Massey University  
B Stevens, Documents by Design  
W Carey, Careers Director, King's College  
T Marshall, Communication by Design

J Cartwright, Consultant, RW & JR Cartwright Consulting Ltd  
A Van Der Boon, Tradenz  
C Etheredge, C/- Sweeney Vesty Ltd  
D Jagusch, Communications Advisor, PricewaterhouseCoopers  
W Thomas, Public Affairs Manager, Waitakere City Council

### **UNITEC Staff**

J Harrison

A Codling

D Mead

G McDonald

## **Community Studies**

**Chairperson** - D McGray, WEA & WADCOSS

### **Members**

K Penetito, Department of Internal Affairs  
L Taufauata, NZ Children & Young Persons  
J Wilson, Counsellor, AUT  
G Woolford, Western Springs College

Y Knipe-Ackerman, Community Corrections  
J Lake, Community Worker and Social Policy Analyst  
W Holt, Auckland City Mission

#### **UNITEC Staff**

R Smyth                      G Rennie                      O Burnside

## **Computing and Information Technology**

**Chairperson** – A Williamson, Director, Wairua Consulting Ltd

#### **Members**

H Robinson, NZ Pivotal Corp                      M Wootton, Datacap Ltd  
B McLean, Ace Training Ltd                      B Kelly, Oracle NZ  
N Williams, Auckland Auto Collections                      S Watt, Software Services  
M Mulholland, IMARJ Corporate Excellence Ltd                      M Wootton, Datacap  
A Perry, Administration Manager, Auckland Girls Grammar School  
M McElroy, Information Systems Manager, Cavalier Bremworth Corporation Ltd  
J Hanna, SolNet Northern Region, J Wattam, Head of Department – Commerce, Marist College  
J Cater, Head of Department of Business Computing and Economics, Manukau Institute of Technology  
L Janczewski, Senior Lecturer, Department of Management Science and Information Systems, University of Auckland

#### **UNITEC Staff**

G McDonald                      D Billings                      J McMaster                      A Young  
A Williamson                      O Burnside                      D Koh                      S Pond

## **Construction and Quantity Surveying**

**Chairperson** – (rotated among members at each meeting)

#### **Members**

G Cairney, Multiplex                      A Martin, Auckland  
P Waterhouse, Maltby & Partners Ltd                      M Quartermaine, Page Kirkland NZ Ltd  
J Morrow, Gibson O'Connor Ltd                      B Younger, Multiplex, Auckland  
R Bryant, Octa Associates Ltd                      V Smith, Kiwi Income Property Trust Ltd  
J Warde, Maltby & Partners                      S Barnes, Davis Langdon NZ  
B Connor, Mainzeal Property & Construction                      Les Heywood, Fletcher Construction  
S Walsh, Aspec Construction Ltd                      G Burns, Student Representative

#### **UNITEC Staff**

J Boon                      R Birchmore                      T van Raat                      D Nummy  
P Snape                      R Kenley

## **Critical Studies**

**Chairperson** – P Clarke, Creative New Zealand

#### **Members**

D Bassett, Department of Art History                      University of Auckland  
M Holehan, Lopdell House Gallery, Auckland                      R Dale, Auckland  
L Le Valliant, Auckland Museum                      T Wilkinson

#### **UNITEC Staff**

J Boon                      M James                      Assoc Prof D Lloyd-Jenkins                      A Pretty

## **Design Management**

**Chairperson** – M James, HOD School of Design, UNITEC

#### **Members**

M Major                      F Young

#### **UNITEC Staff**

J Boon                      D Bogunovich                      P Sharma  
N Charlton                      D Gatley                      E Prince

## **Education**

**Chairperson** - B Laing, Principal, Wesley Primary

**Members**

I Gardiner, Educational Consultant, MultiServe  
O Hoskin, Principal, Henderson High School  
L Guy, Principal, New Windsor School  
O Kelly, Project Leader Learning Technology, MIT  
M Moss, Social Worker in Schools  
C Cardno, Head of School of Education

R Brown, Associate Principal, Henderson South School  
Joy Eaton, Student  
M East, Principal Farm Cove Intermediate  
M Harness, Head Teacher, Titirangi Kindergarten  
G Prentice, National Education Manager (Higher Education)  
S Hosking, Auckland School Trustees Association

**UNITEC Staff**

A Codling  
P Coogan  
L Keesing-Styles

J Halliday  
T Fitzgerald  
M Panko

R Smyth  
J Diorio  
V Vohra

H Paniora  
A Smith

## Electrotechnology

**Chairperson** – J Cannan

**Members**

A Ramson, Honeywell Ltd  
N Andrew, Fisher & Paykel  
P Cheetham, ITL Technologies Ltd  
S Mazy, Dick Smith Electronics  
W Dunn, Elpro Auckland Ltd  
G Rooney, Canon NZ Ltd

M Brady, ETITO  
J McKenzie, Horison Technology Ltd  
D Todd, Quick Circuit Ltd  
G Freeman, Computer Services  
M Domovic, DMIT

**UNITEC Staff**

Dr M Hall

P Claque

B Woods

S Kingi

## English & Applied Linguistics

**Members**

T Makonen, Auckland  
E Lind-Mitchell, WINZ  
M Crombie, Auckland  
S Chae, Auckland  
G Brown, Crown Institute of Studies

B Gondol, Auckland  
G Howell, Auckland  
T Huang, Auckland  
R Brookes, Paramount Institute of Auckland  
J Janif, Advisor, Office of Ethnic Affairs

**UNITEC Staff**

L Bellingham

R Smyth

## Environmental Management

**Chairperson** – D Thom, Sinclair, Knight-Merz

**Members**

G Kuschel, NIWA  
G Fisher, NIWA, Auckland  
D Greig, Montgomery Watson  
G MacDonald, Beca International Consultants  
R Sharp, URS NZ Ltd  
R Mason, Student Representative

M Kearney, Mark Kearney & Associates Engineering  
M Lentz, Metrowater  
A Holley, Franklin District Council  
C Littlefair, Opus International Consultants  
B Middleton, Student Representative

**UNITEC Staff**

J Boon

A Codling

J Leaver

G Smith

B Mahmood

## Fono Faufautua – Pasifika Council

**Chairperson** – Panama Leauanae, Barrister, Leauanae & Associates

**Members**

S Stehlin, Producer Tangata Pasifika, TVNZ  
B Amosa, Gen Mgr, AS Integrations Ltd  
W Holahia, Waiata Artists Trust

S Sefuiva, Consultant, Samuel Sefuiva & Associates  
L Laing, Assistant Principal Owairaka Primary School  
M Anae, Director, Centre Pacific Studies, University of Auckland

**UNITEC Staff**

Dr J Webster

A Codling

G Fitzpatrick

L Tuigamala



B Head

P Winter

J Puia (Sec)

## Horticulture

**Chairperson** – (rotated among members at each meeting)

### **Members**

L Jeff, Auckland

G Keymer, Eastern & Global Exporters

A Levett, ARC Botanic Gardens

D Bolger, A1 Flowers

J Pearce, Auckland

T Harvey, Auckland

D Beck, Auckland

K Howe, Student Representative

J Skelton, Fruitfed Supplies Ltd, Auckland

T Ivicevich, The Vegetable & Potato Growers Federation

A Maloy, Consumers' Institute

T Van Lier, Auckland

T Lovegrove, Auckland

K Hammett, Auckland

C Drumm, Student Representative

J Weaver, Student Representative

### **UNITEC Staff**

Dr M Large

Dr J Harman

L Stojnic

A Codling

I Ennis

## Interior Design

**Chairperson** – M James (Acting until a Chair is appointed)

### **Members**

A Hood, VanillaSpace Interiors Ltd

C Veninga, Cathy Veninga Interiors Ltd

C Van Ryn, Freestyle Design

P van Lent, Jasmax

### **UNITEC Staff**

J Boon

M James

A Pretty

J Waters

R Cox

## Landscape

Chairperson - B Glenie, Editor, Landscape New Zealand

### **Members**

J Goodwin, Boffa Miskell Ltd

M Buckland, LA4 Landscape Architects Ltd

J Hudson, NZ Institute of Landscape Architects

F Kelly, Director, F Kelly & Associates

J Childs, Resource Management and Town Planning Consultant, Auckland

R Stilwell, Director, McConnell International Property Ltd, Auckland

A Barr, Student Representative

S Scott, Student Representative

### **UNITEC Staff**

Dr M Large

Dr J Harman

R Paul

P Clifflin

K Simon

## Land Surveying

**Chairperson** – D Stewart, H Stewart & Co

### **Members**

B Morrison, North Shore City Council

S Weeks, Student Representative

R Miller, City Environments Auckland City Council

### **UNITEC Staff**

J Boon

O Burnside

D Ringham

J Leaver

K Clark

G Smith

R Taylor

## Management and Entrepreneurship Advisory Board

**Chairperson** – W Gill, Manager, Employee Relations, CHH Packaging Ltd

### **Members**

D Sinclair, Auckland

P Denby- Gibbs, Real Estate Institute

R McLauchlan, Regional Manager Sales / Marketing New Zealand, Accor Asia Pacific Ltd

W Squires, General Manager, Auckland City Council

C Runciman, B2B & E

### **UNITEC Staff**

Prof G McDonald

N Burchell

H Mitchell

Prof H Frederick

A Codling

## Maori Education Runanga

**Chairperson** – J Mariu, Kai Whakarite

**Members**

Sir J Turei, Kaumatua	J Norman, Careers Consultant
J Marsden, Auckland	Dr P Tapsell, Auckland
M Tipene, Auckland	M Barnes, Auckland
M Tunks, Health Consultant, Te Whanau o Waipareira	

**UNITEC Staff**

Dr J Webster	A Codling	Y Hawke	T Ahloo
R Smyth	H Paniora	H Lambert	

## Marine Technology

**Chairperson** – G Elliott, Elliott Boat Design Ltd

**Members**

B Wood, Marine & Industrial Ltd	L Stevenson, Lloyd Stevenson Boatbuilders Ltd
C Sandford, BITO	B Ballard, Marten Marine Industries Ltd

**UNITEC Staff**

C Sherab	R Shaw
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## Medical Imaging

**Chairperson** – J Wilson, Greenlane Hospital, Auckland

**Members**

S Heap, Mercy Hospital	R Curin, Operations Manager, Auckland Hospital
J Stumpel, Radiologist, Greenlane Hospital	M Webb, Radiology Manager, Waikato Hospital
T Sinclair, Radiology, MRI Dept	L Flay, Radiation Therapist, Auckland Hospital

**UNITEC Staff**

Dr J Harman	A Codling	J Yelder	A Thompson	M McNeill	D Dignam
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## Mental Health

**Chairperson** – Dr J Harman, Dean, Faculty of Health, Science & Technology, UNITEC

**Members**

D Lui, Team Leader, Pasifika Mental Health	B Bublitz, Community & Mental Health Services, Auckland
P Seymour, WALSH Trust	M Loveman, Schizophrenia Fellowship
J Burdett, Mind & Body Consultants	B Hartshorne, Auckland
T Solomona, Auckland	S West, Auckland
W Thompson, Auckland	
D Mulligan, Funding & Planning Manager, Mental Health, Auckland District Health Board	

**UNITEC Staff**

R De Souza	Dr D Dignam	E Mitchelson	S Tegg
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## Nursing

**Chairperson** –

**Members**

T Mullard, Research Nurse	L Manning, Medical Educator North Shore Hospital
G Hanna, Executive Director Asthma NZ Inc	L Smyth, Manager Support Services, Cancer Society
M Pua, Auckland	M Marshall, Team Leader, Waitemata Home Care for Kids
D Pound, Auckland.	J Martin, Clinical Services Manager, Macpherson Group
D McGregor, Auckland	C Lockie, Student Representative, Auckland
K Munroe, Auckland	

**UNITEC Staff**

J Harman	O Burnside	E Niven	D Dignam	M Drake
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## Osteopathic Medicine

**Chairperson** – A Swindells, Osteopath, Te Puke

**Members**

L Grace, Osteopath, Auckland  
H McPherson, Auckland  
A Smethurst, Auckland  
S Zwalve, Auckland

K Thompson, Auckland  
S Halliday, Auckland  
R McWha, Auckland  
A Smethurst, The Still Sutherland Centre of Osteopathic Medicine, Auckland

#### **UNITEC Staff**

Dr J Harman                      Assoc Prof C Standen                      A Codling                      Dr J McPartland                      D Digman

## **Painting and Decorating**

**Chairperson** - D Neill, Managing Director, Glenfield Coatings Ltd

#### **Members**

P Joliffe, Operations Manager                      P Hiscotte, Marketing Coordinator, Spectrum Painting Co  
B Whalley, Managing Director, Benjamin Moore Paints Ltd  
C Campbell, Managing Director, Colin Campbell Painting Contractors

#### **UNITEC Staff**

R Harrison                      J Mundy                      L Richardson

## **Performing and Screen Arts**

**Chairperson** – R McGill, Auckland

#### **Members**

F Milburn, WIFT Auckland Incorporated                      J Finn  
M Schuster, Nga Aho Whakaari                      S McCullagh  
S Bright, DAANZ Aotearoa NZ                      S King, Auckland  
L Narbey                      I Rodgers

#### **UNITEC Staff**

J Boon                      O Burnside                      M Hutchinson                      R Hawthorne                      C Parker  
B Marsh                      C Jannides                      S Marshall                      N Scott

## **Plumbing and Gasfitting**

**Chairperson** – C Rendle, Commercial Plumbing Co Ltd

#### **Members**

D Waite, Rinnai NZ Ltd                      D Lovell  
G Owen, Plumbing Apprenticeship Trust                      L Coyle  
I McDermond, McDermond Plumbing & Gasfitting Ltd  
S Fleckney, Representative, Northern Industrial Branch Plumbers, Gasfitters and Drainlayers Union

#### **UNITEC Staff**

R Harrison                      G Cruickshank

## **Product Design**

**Chairperson** – A Salisbury, Fisher & Paykel

#### **Members**

T Flynn Shape Design Ltd                      J Griffin, Peter Haythornthwaite Design Ltd  
G Domingo                      M Fenton  
S Craill, Methven Tapware Ltd                      K Sneddon, Industrial Design Department, Fisher & Paykel Ltd

#### **UNITEC Staff**

J Boon                      M James                      N Charlton  
A Withell                      A Pretty                      J Laker

## **Project Management**

**Chairperson** – T Nicklin, Carsons Group

#### **Members**

S Barclay, Carters                      G Birkhead, Arrow International Ltd  
P Keenan, The Boston Consulting Group                      G Nel, Methven Ltd  
S Hinge, Auckland                      B Johnston, Beca Carter Hollings and Ferner Ltd  
C Brett, Auckland                      R Wilson, Project Management Institute, New Zealand  
O Diegal, Auckland                      V Martins, Dephic Medical Systems

J Dawson, Auckland  
B Peacocke, Integrated Projects Groups Ltd

C Clive, Waitakere City Council

#### **UNITEC Staff**

J Boon

P Quinnell

R Birchmore

## **Special Needs**

**Chairperson** – S Spackman, Kotuku Trust

#### **Members**

M Hutchings, Workbridge  
A Taylor, Work Options  
C Smith, Oaklyn Special School  
K Shadgett, Student Representative

S Carter, F.E.A.T  
L Matheson, WINZ  
D Evans, Poly Emp  
N Lamb, Student Representative

#### **UNITEC Staff**

P Ball

L Hand

J Nicholl

R Smyth

W Russell

R Trewartha

## **Sport**

#### **Members**

H McGahan, Auckland  
N Barbour  
Brett Steven, Brett Steven Sports Limited  
James Iverson, North Harbour Rugby  
Brett Hibbert, New Zealand Tennis  
Simon Peterson, Sport Auckland  
Sheree Wrack Student Representative

D Knowles, David Knowles & Associates  
A Stephens, Auckland  
Keith MacKay, Counties Manukau  
Wayne Werder, Squash NZ  
Guy Ngata, Auckland Rugby Union  
Maree Flannery, Epsom Girls Grammar School  
Mark Edwards, Student Representative.

#### **UNITEC Staff**

Dr J Harman, O Burnside, N Turner, Lesley Ferkins, Sue Emerson, Dean Horo, S Potier

## **Te Tari Awhina**

**Chairperson** – B Grant, Centre of Professional Development, Auckland University

#### **Members**

M Tunks, Wapareira Trust  
P Tuafuti, Auckland

F Day, Te Tari Awhina, AUT

#### **Unitec Staff**

R Smyth

D Nicholson

L Aumua

J Webster

R Rawiri

C Murphy

D Tamati

## **Three Dimensional Design**

**Chairperson** – Matthew von Sturmer

#### **Members**

V Kerr  
A Preston  
M Curtis

L Main  
L Lysaght

#### **UNITEC Staff**

J Boon

M James

A Pretty

N Charlton

## **Vehicle Technology**

**Chairperson** – H Bennett, Motor Trade Association Training Committee

#### **Members**

P Geddes, Geddes Exhaust Repairs Ltd  
N Hyde, Neil Hyde Motors Ltd  
Neville Boyd Motors Ltd  
B Morgan, Service Manager, East City Ford Ltd• N Boyd

S Clark, Clark & Clark Fine Motor Engineers  
P McInnes, Service Manager, Giltrap City Toyota Ltd  
H Al – Hakkak, Student Representative

#### **UNITEC Staff**

O Burnside

C Sherab

G Jacob

D Wales

## Visual Communication

**Chairperson** – M James (Acting until Chair is appointed)

### **Members**

F Gardyne

J Croydon, Croydon Photography Ltd

P McKinnon

G Fletcher

### **UNITEC Staff**

J Boon

M James

J Malcolm

F Grieve

A Pretty