Everyone who has shared the UTSC experience knows just how special what has been created here truly is. Our campus has an energetic and intellectually-ambitious feel – a feel that reflects the critical thinking we teach, the ground-breaking research we undertake, and the incredible achievements of our people. All of this comes together to foster a culture of ambition and collegiality, as we gain inspiration from the physical location of our campus and its architecture.

When capturing the uniqueness of UTSC, we like to talk about the power of place.

We have strong beliefs about our campus – and about the places and contexts in which UTSC’s people work and learn. Because when it comes to experiences that are meaningful, place matters.

Think about watching a movie: the physical place in which you watch it fundamentally affects the experience. Watching the same movie can be a very different experience if you see it alone on your tablet, at home on TV with your family, at your local movie theatre with friends, or at a glittering film festival on a giant screen, followed by a discussion with the director at a reception afterward. In all cases, it is the same movie. But the experiences are vastly different. The key to what separates them is the power of place – the physical surroundings, the people you’re with, the memories and associations you make.

That’s what the power of place is all about.

The place we’re building – and the environment of learning and intellectual curiosity we’re creating at UTSC – are described in this Annual Review. Within the U of T system and the broader post-secondary landscape, UTSC is rapidly transforming while maintaining the core principles of learning that make the University of Toronto so strong.

Through careful planning we have been able to seize opportunities to grow and expand in both size and quality. Academically, we have expanded with a strong focus on new and emerging areas of scholarship, such as our programs in health and environmental studies, and our new PhD and Masters programs in clinical psychology. Our researchers are developing global partnerships, such as the new Joint Centre for Climate Change Research set up with China’s Northwest University in the historic city of Xi’an. Our students are also reaching out, and many are involved in research projects involving our local community in the eastern GTA.

We are also witnessing the emergence of exciting new spaces on campus that will support our growing research, educational, and experiential platforms. One example is the new Toronto Pan Am Sports Centre under construction for the 2015 Pan and Parapan American Games. Another is our recently completed Instructional Centre and the newly planned Environmental Sciences and Chemistry building scheduled for completion in 2015. All are key building projects that will allow us to provide state-of-the-art facilities for our expanding academic and research programs.

Helping our students and researchers succeed is at the core of our plan to raise $35 million as part of the University of Toronto’s Boundless campaign.

We understand the power of place at UTSC, and I welcome you to learn more about not only what we’ve achieved, but also about the energy and passion that comes with those achievements.

Professor Franco J. Vaccarino
Principal, University of Toronto Scarborough
Vice-President, University of Toronto
Making New Ideas a Reality

The new Hub Ideation + Experiential Learning Centre provides a place where students and faculty can come together to develop new and creative ideas, from killer mobile apps to new business innovations. “A lot of people have ideas. At The Hub they’ll learn how to make that idea become a reality,” says Gray Graffam, a lecturer in media studies and director of The Hub. Located in the Instructional Centre, The Hub will host the Appstar Mobile App Development Contest, which this year resulted in the food-finding app What2Eat@UTSC. A formal program called IDEA (Innovative Design, Entrepreneurial Action) will help students explore their new ideas. And faculty will use the centre to develop their own projects with student help.

Growth for Sustainability’s Sake

Sustainability is one of the cardinal principles of UTSC’s strategic plan. The idea, says Principal Franco Vaccarino, is that the campus will not grow just for the sake of growth. “We’re growing so we can achieve a critical mass and ensure a sustainable platform. We are on the cusp of becoming a mid-size, comprehensive, research-intensive institution; one that will provide UTSC with the student and faculty presence it needs to realize its future goals within the U of T system, as well as within the broader university landscape.” A key goal is to enhance the academic complement and improve the faculty-student ratio – UTSC hired 29 new faculty in the past year. The student population, currently 11,111, is projected to expand to 13,873 by 2017.

Sustainable University Platform

UTSC provides the people, resources, facilities and programs that create an exceptional place to work and learn.

STUDENT POPULATION

Current Enrolment

2017 Projection

11,111

15,873

Annual Review 2012/2013 | 5
Boundless Opportunities

Good things come in 50s. As part of its $35 million goal in support of the U of T’s Boundless campaign, UTSC is challenging 50 generous people to each donate $50,000 for two $25,000 named scholarships, just as the university reaches its 50th anniversary in 2014. Dubbed Boundless Promise, the challenge is just one of the ways people can contribute to UTSC’s campus campaign, launched in November 2012. By the end of the fiscal year $17 million had already been raised. The $35 million target is the biggest in campus history, and supports U of T’s similarly groundbreaking $2 billion overall goal. Along with scholarships and bursaries, the UTSC Boundless campaign will support three major new research initiatives at UTSC, new faculty hires, enhanced experiential education and more visiting scholars. “This campaign will launch an electrifying new period in UTSC history,” says Principal Franco Vaccarino. “Our campus is ready to dedicate the next 50 years to realizing our boundless potential as an engine of innovation and prosperity across our region and beyond.”

Easing the Transition

A groundbreaking agreement between UTSC and Seneca College will make the transition from college to university an easier one. Under the agreement, select students in Seneca’s Liberal Arts program will also take UTSC courses as non-degree students, and later count these towards their UTSC degree after they transfer. This is the first academic transfer agreement UTSC has undertaken, and the goal is to explore more in the future. “These types of partnerships are an important driver for innovation and excellence in education and contribute to the range of choices and alternatives for today’s students,” says UTSC Principal Franco Vaccarino.
Sustainable University Platform

Improving Online Learning

A UTSC professor will use a $100,000 Bill and Melinda Gates Foundation grant to build an innovative online course. Professor Steve Joordens will develop the introductory psychology course for Coursera, a consortium of 33 universities which offer the Massive Open Online Courses, known as MOOCs. “It feels like education is changing; it’s a fun thing to be in the middle of,” Joordens says. Because MOOCs are offered to hundreds or thousands of people at the same time, Joordens is especially interested in creating ways to help students learn from the evaluation of other students in the class. He has already developed a tool called peerScholar which is used by universities in Canada and the United States to do just that.

Building an Urban Farm

UTSC has begun working with a community action group in the nearby Malvern area to create an urban farm in Rouge Park that will address the issue of food security. Through workshops and hands-on activities, the farm will educate and assist Malvern residents in provisioning fresh food for themselves, and help develop a stronger sense of social cohesion in a predominantly transient part of the eastern GTA. UTSC has agreed to be the primary academic partner with Malvern Action for Neighbourhood Change as it pursues plans for the urban farm with Parks Canada. The farm will also provide experiential learning opportunities for UTSC students in working with the community and conducting research projects.

Getting in Shape

A sports facility that will serve elite athletes, students and the wider community began to take shape on UTSC’s North Campus this year. The Toronto Pan Am Sports Centre will be the busiest venue for the 2015 Pan/Para Pan American Games, and will serve the university and the community beginning Fall 2014. The groundbreaking on September 27, 2012 brought university officials together with sport and government dignitaries and athletes to kick off construction on the $205 million, 312,000-square-foot centre. The facility, which represents Canada’s largest investment in amateur sports infrastructure, will house two Olympic-sized swimming pools, a diving tank, gym space, a track, and a fitness area.

Student Use of Athletics & Recreation Facilities

| Total visits by registered students | 159,411 |
| Total individual students using the facility | 9,497 |
| Male | 47% |
| Female | 53% |

Love of the Game

UTSC’s tennis courts gave an advantage to 23 children from priority neighborhoods through a gift from the Henry Norrington Endowment Fund. They learned the game of tennis in a 12-week course run by UTSC’s Department of Athletics & Recreation, in partnership with the East Scarborough Storefront and the Boys & Girls Club of East Scarborough.
Research and Graduate Training

UTSC is a strong centre for research, and leads the way in providing innovative graduate training.

Discovery at the Grassroots

If UTSC were a stand-alone institution, it would rank ahead of many of Canada’s best-known universities in research strength. That 2012 finding by Toronto-based Higher Education Strategy Associates (HESA) “beautifully highlights” how UTSC has successfully evolved into a mid-sized, fully fledged comprehensive university with a quality of academic inquiry to match, says Malcolm Campbell, vice-principal of research. The HESA study ranked UTSC 16th in overall research strength out of 61 Canadian universities, and No. 12 in science and engineering. The key to UTSC’s success, says Campbell, is the prime importance it places on the individual investigator – that is, professors and graduate students in consultation with their departments. “They’re the ones that drive the research from the grassroots upwards,” he says. “We help nurture those grassroots – providing soil, water and nutrients – to allow the research to grow and flourish.”

Passion for the Environment

Her research will help with native plant restoration in the face of invasive species. But Cindy Bongard’s successful doctoral dissertation also made a small bit of history: she became the first PhD student to graduate from UTSC’s groundbreaking doctoral program in environmental science. Launched in 2010, the interdisciplinary program prepares the next generation of scientists to grapple with the world’s most pressing environmental challenges. It is the first PhD at U of T to be solely administered outside of the downtown campus, and draws on UTSC’s depth of expertise in the full spectrum of environmental science: physical, chemical, biological and earth science. “I was positively overwhelmed by the knowledge and passion of the faculty at UTSC,” says Bongard. “It was their energy and expertise that kick-started my decision to pursue graduate studies in the first place.”

Nathan R. Lovejoy, assistant professor of ecology and evolutionary biology. His work focuses on evolution and diversity of freshwater fishes. He examines an image of a stingray.
Research and Graduate Training

Battling Parkinson’s disease

A $250,000 grant from the Michael J. Fox Foundation is helping Joanne Nash investigate basic biology that could eventually lead to treatment for Parkinson’s disease. The associate professor of neurobiology won the grant to look at the role of a protein called SirTun-3 in potentially protecting brain cells from the damage caused by Parkinson’s. If successful, the research could eventually lead to drugs for people suffering from the disease.

NSERC GRANT SUCCESS RATE (2011-12)

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</thead>
<tbody>
<tr>
<td>77%</td>
<td>58%</td>
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</table>

UTSC’s success rate was 77% compared to the national success rate of 58% in the Natural Sciences and Engineering Research Council (NSERC) Discovery Grants program.

The Sloan Rangers

This year, no fewer than three faculty members in a single department – Computer and Mathematical Sciences – received prestigious Sloan Research Fellowships from the New York-based Alfred P. Sloan Foundation. The two-year, $50,000 award is given to promising scholars early in their careers; past Sloan recipients have gone on to win 38 Nobel Prizes as well as 14 Fields Medals for mathematics. The UTSC trio were assistant professors Bianca Schroeder (computer science), Robert Young (mathematics) and Ruslan Salakhutdinov (statistics).

Feeding the World

Herbert J. Kronzucker is a self-described “German country boy” who as a child was interested in everything from music to medicine. But he eventually realized that plant biology was his passion. Now he works to understand how rice crops respond to stress, and how they can be improved in order to give greater yields. His research could provide solutions to feed a growing population in a world suffering from rapid climate change. Kronzucker was honored for his work with the Principal’s Research Award.

SSHRc GRANT SUCCESS RATE (2011-12)

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>59%</td>
<td>37%</td>
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</table>

UTSC’s success rate was 59% compared to the national success rate of 37% in the Social Sciences and Humanities Research Council (SSHRc) Standard Research Grants program.

When East Met West

An acclaimed new book by UTSC history professor Natalie Rothman examined how the modern distinction between West and East began to take shape in 16th-century Venice as it dealt with the Ottoman Empire. Brokering Empire: Trans-Imperial Subjects between Venice and Istanbul won two prestigious prizes from the American History Association. Rothman, who specializes in the history of the Mediterranean region, notes that East and West existed earlier as concepts, but began to take on their modern form in the late 1500s. “It was very important for me to emphasize that it’s not the case that throughout history East and West were enemies, or that Islam and Christianity were ‘naturally’ diametrically opposed, but rather to see how these ideas emerge precisely in this period and precisely because of specific economic and political and religious transformations,” she says.

DoE GRANT SUCCESS RATE (2011-12)

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<thead>
<tr>
<th>UTSC</th>
<th>National</th>
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<tbody>
<tr>
<td>24%</td>
<td>19%</td>
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UTSC’s success rate was 24% compared to the national success rate of 19% in the (SSHRC) Standard Research Grants program.

Little Creatures, Big Advances

Daphnids are tiny freshwater crustaceans, only five mm long. But new research at UTSC could give the little animals a big role to play in protecting the environment. Thanks to a generous gift from the Krembil Foundation, researchers Myrna Simpson, Andre Simpson, and George Arhonditsis will study how pollution and other stressors affect daphnids. The $1.6 million gift will fund state-of-the-art equipment to analyze how daphnids’ metabolisms respond to pollution and other stressors. The information will be used to develop tests that provide early warning signs of environmental damage based on physical changes in the creatures. “This gift will foster important relevant research on the monitoring of environmental health. Crucially, this gift will also bolster and build on UTSC’s existing strengths in environmental science,” says Malcolm Campbell, vice-president, Research.

Research and Graduate Training
Experiential Learning

UTSC is a leader in experiential learning, offering curricular, co-curricular and extra-curricular opportunities for students.

Research that Hits Home

When Alberto Almeida (right) had to stop working as an auto mechanic’s apprentice at 17 due to a back injury, university research was the farthest thing from his mind. But as an undergraduate sociology student at UTSC he began working with Patricia Landolt, chair of the department, on a study of working conditions for precariousely employed immigrants in the Black Creek area—his old neighbourhood. His personal experience proved invaluable. Landolt says Almeida, son of immigrants from Ecuador and Chile, had a passion for the project, related well to the people they were studying, and quickly built his academic skills. He and Landolt are now working on a paper for publication, and the onetime mechanic is applying to graduate school. “Alberto’s pretty amazing,” Landolt says. “He’s become a really good researcher.”

The Co-op Advantage

UTSC’s co-op programs are renowned for the high quality of students they attract. Proof came again this year when biological sciences co-op students Anh Cao and Mirriam Mikhail won the 2013 Stem Cell Network Undergraduate Research Training Award & Co-op Award. Only seven of these national awards, worth $10,000, are given each year. The prize will allow Cao and Mikhail to present their research at a major scientific conference in the field and prepare for graduate studies. The talented duo were just two of the 1,650 students enrolled in 71 co-op programs at UTSC this year. While accounting for only about 15 percent of the student population, co-op students take up about 40 percent of the honour roll each year. “In a wonderful way, we cannot predict the limits of success when a bright keen mind meets an excellent industry environment,” says Roger Francis, director of arts and science co-op programs. “The results are well beyond our programming.”
Reordering the Ordinary

A group of motivated and inspired students worked for a year to organize the successful TEDxUTSC event. With speakers from inside and outside of the university speaking on the theme “Reorder the Ordinary,” the popular event trended nationally on Twitter, and a video has been watched more than 5,000 times. TEDx is an offshoot of the popular TED (Technology, Education and Design) conferences, and the TEDx organizers had to meet strict criteria to run the licensed event. “This TEDx event transformed the campus to a place of extraordinary energy and community spirit,” said Leslie Chan, a senior lecturer at UTSC and guest speaker at the event.

Students organized the successful and inspiring TEDxUTSC speaking event, which trended nationally on Twitter.

The Power of Education

Thanks to generous alumni gifts, UTSC students will continue helping community middle school and high school students on a journey to higher education. Under the IMANI Mentorship Program, UTSC mentors tutor and offer personal support to students in priority neighborhoods. The program is run in partnership among the UTSC Department of Student Life, the Imani Black Student Alliance and the East Scarborough Boys and Girls Club. Support comes from former provincial minister and UTSC alumna Mary Anne Chambers, and U of T alumna Celina Rayonne Chavannes and her husband Vidal Chavannes.

Programs Offered

| 48 | Graduate student internships |
| 140 | Enrollment in service learning courses |
| 154 | Student clubs |

1,659 Students enrolled in co-op programs

71 Co-op programs offered

882 Students on co-op workterms

Experiential Learning

City Studies students hone their research skills while helping the community.

Hands-On in the Community

What makes a community youth-friendly? A group of 22 UTSC City Studies students went into a high-priority neighbourhood in East Scarborough to research local opportunities for youth “play” activities such as recreation, arts, drama, sports and dance. The project was designed to help the Kingston-Galloway/Orton Park neighbourhood seek designation under the Youth Friendly Communities program offered by the non-profit organization Play Works. “This project provided an excellent hands-on opportunity for urban planning,” says Ahmed Allahwala, who taught the class of third- and fourth-year students. “Not only were our students doing research in the field, they built networks with various community partners.”
New and Emerging Areas

UTSC creates an environment to house and support the growth of new and emerging fields of scholarship.

Exciting new programs

The flow of information at UTSC isn’t one-way. We listen to what students and employers say, and continually make changes so students are better prepared for their work terms and for life after university.

We’ve redesigned or created new programs that incorporate sound quantitative methods, support strong academics, give our students solid writing skills and a clear path for their futures – whether in graduate study or in professional fields.

UTSC’s expanded suite of Health Studies offerings adds programs in Health Management and Health Informatics, along with two Health Studies streams: the science-based Population Health and social science-based Health Policy.

The Department of Computer and Mathematical Science has added three programs designed to address the masses of information generated in the digital age: a specialist program in statistics offers streams in quantitative finance, and in statistical machine learning and data mining. A minor in applied statistics is aimed at non-math majors who need to understand Big Data for their work.

A new major in Environmental Studies, offered jointly by the Departments of Political Science and Physical & Environmental Sciences, focuses on environmental issues from both physical and social science perspectives, exploring topics such as cities, globalization, water management, public policy and human health.

A PhD in Clinical Psychology aims to respond to the huge demand for mental health services. Offered in partnership with the Ontario Institute for Studies in Education, the program will place a strong emphasis on clinical practice, producing students well able to treat patients with mental health needs.
Elevating clinical psychology

Professional help for people with mental illness in Ontario can be hard to come by. In recent years, the province has posted the second-lowest ratio of clinical psychologists to population in Canada. UTSC will help redress that imbalance by offering a new PhD in Clinical Psychology in cooperation with the U of T's Ontario Institute for Studies in Education. “We’re going to be putting out practitioners who will be out there on the front lines helping people on a day-to-day basis,” says George Cree, interim chair of UTSC’s Department of Psychology. Moreover, some of the UTSC students will have a special advantage when applying for highly competitive practicum and internship spots at hospitals and clinics. Thanks to an anonymous donor’s generous gift of $1.5 million, they will be able to offer themselves fully funded – at no cost to the institution involved.

Tools for Trading

There is a real-time stock ticker on the wall and 60 dual-screen computers flashing numbers and charts. The new finance lab in the Instructional Centre gives UTSC management students a taste of the high-pressure life of a market trader, using state-of-the-art software. “These computers are equipped with the databases and analysis tools that you would find in the big Bay Street financial firms,” says finance librarian Stephanie Perpick, who directs the lab. “Students get to practise using tools that they’ll use for the rest of their careers.” Perpick, hired in January, was previously a research consultant at BMO Capital Markets and holds a master's degree in library and information science.

The Climate Change Warriors

China’s historic city of Xi’an is known for its 2,200-year-old army of sculpted terracotta warriors. Now it will also be home to the Centre for Climate Change Research, a new partnership between UTSC and Shaanxi province’s Northwest University. Environmental scientists and graduate students from the two institutions will collaborate on two critical areas of climate change research. Mitigation, a strength for UTSC, involves efforts to reduce greenhouse gases. Adaptation, where Northwest has expertise, involves dealing with the impact of changes already underway. UTSC scientists hope to carry out projects in central China and Chinese researchers are expected to spend time in UTSC laboratories. The partnership emerged from UTSC’s innovative Green Path student recruitment effort in China, which led to introductions to Northwest University officials.

Management: A First for Canada

When a new, little-publicized program gets nearly 30 times as many applicants as there are available places, you know something good is happening. UTSC’s new Management and International Business co-op program, which is a priority of the Boundless campaign, gives undergraduates the opportunity to both study and work abroad. It’s a first for Canada in requiring that students complete both aspects of an international co-op experience. Starting in third year, students will go abroad – currently to the UK, Germany, Hong Kong or Singapore – and alternately study for a term at a local institution and then work for a term in a local company or organization. The first group of students started in September 2012; their number was raised to 40 from a planned 25 after the deluge of more than 700 applications. Eventually, 160 will be in the program.
Internationalism

UTSC is an international hub for learning and partnership.

A Critical Eye

How effective are international development efforts? The new Centre for Critical Development Studies aims to offer a scholarly critique while training students to join the profession. Part of a broad reorganization that saw creation of six new academic units at UTSC, the new centre will house the long-established International Development Studies program. At the same time, it will teach students to take a critical look at international aid efforts. “If we have a bent, it’s probably that we’re interested in solutions that come out of voices from below,” says centre director Paul Kingston. “These are, at the end of the day, our constituents.”

Aisha Ahmad

Walking with Warlords

When newly hired political science professor Aisha Ahmad lectures on warlords and extremism, she speaks from her own experience. Though raised in Toronto, the daughter of Pashtun immigrants from Pakistan visited the Afghan border region frequently as a child. She returned to work on her PhD thesis on the economic underpinnings of state failure in Afghanistan and Somalia. She trekked through mountains and deserts, suffered dysentery, and spoke with warlords, military and intelligence officials, business people, and other potentially intimidating figures. Her conclusion: when business people choose to back a particular warlord or extremist group, “it’s largely because it has become economically beneficial for them to do so. I watched this when I was young, and I heard it from the mouths of people who made these decisions themselves.”

Paul Kingston

Grocers sitting in their shop in Kabul’s old city bazaar, Afghanistan.
Inside a holy land Convent

For UTSC Assistant Professor Donna Young, Christmas is a time of research. She spent the 2012 holiday season far from home and family, staying with a Roman Catholic order of nuns at the Ecce Homo convent in Jerusalem. An anthropologist, she was examining the role the Sisters of Sion play in relationship building among religious groups in the region, particularly the historical contribution the Sisters have made in reconciling Roman Catholicism and Judaism. She also gathered oral histories of the sisters living in the convent, including a 92-year-old Holocaust survivor who joined the Sisters after converting to Catholicism following the Second World War. It was the fifth time Young has visited Jerusalem for research and her second stay at the historic convent. It is built over a sacred site held by Christian tradition to be the place where Jesus was condemned to death.

Internationalism

The Green Path to Success

Imagine you’re a bright young person in China, bent on getting a top-flight education overseas. But you know little about the West, or even about how to cook for yourself. How do you prepare? If you’re lucky, you take UTSC’s Green Path (“the way to success” in Chinese). Now entering its ninth year, the Green Path program recruits high-achieving students from partner high schools across China and gives them 12 weeks of intensive preparation on the UTSC campus. There are daylong courses in language and academic procedures taught by faculty from U of T’s School of Continuing Studies, social activities with Canadian students, instruction in basics like cooking and shopping, and visits to Niagara Falls and the CN Tower. Continuously growing, the popular program this year took in 196 students from 19 Chinese provinces. There are now plans to expand to other parts of the world.

Inside a Holy Land Convent

For UTSC Assistant Professor Donna Young, Christmas is a time of research. She spent the 2012 holiday season far from home and family, staying with a Roman Catholic order of nuns at the Ecce Homo convent in Jerusalem. An anthropologist, she was examining the role the Sisters of Sion play in relationship building among religious groups in the region, particularly the historical contribution the Sisters have made in reconciling Roman Catholicism and Judaism. She also gathered oral histories of the sisters living in the convent, including a 92-year-old Holocaust survivor who joined the Sisters after converting to Catholicism following the Second World War. It was the fifth time Young has visited Jerusalem for research and her second stay at the historic convent. It is built over a sacred site held by Christian tradition to be the place where Jesus was condemned to death.

Launching Tamil Studies

UTSC sits at the heart of one of the largest Tamil communities in the world outside South Asia. Thanks to the Tamil Studies Initiative, supported by the Boundless campaign, UTSC is developing a new program in Tamil Studies designed to be a global leader in the subject. This year Bhavani Raman, a top scholar in the study of Tamil history in Sri Lanka, South India and the Tamil diaspora, joined UTSC to become Canada’s first professor of Tamil studies. Starting in September 2013, the Department of Historical and Cultural Studies will offer Canada’s first course in Tamil history and culture. The program will also seek to hire more faculty, offer scholarships to students from the Tamil community and build partnerships with overseas academic institutions.
At a Glance

TOTAL RESEARCH FUNDING BY SOURCE, 2011-2012

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<tr>
<th>Source</th>
<th>Value</th>
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<td>Federal Government</td>
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UTSC RESEARCH GRANTS AND CONTRACTS, 2011-2012

Value of Grants & Contracts

- Biological Sciences: $3,907,517
- Computer & Mathematical Sciences: $735,200
- English: $91,259
- Humanities: $504,216
- Management: $250,084
- Philosophy: $37,824
- Physical & Environmental Sciences: $2,227,624
- Psychology: $827,655
- Social Sciences: $712,010
- Total: $9,293,389

Number of Grants & Contracts

- Biological Sciences: 47
- Computer & Mathematical Sciences: 23
- English: 7
- Humanities: 30
- Management: 15
- Philosophy: 4
- Physical & Environmental Sciences: 53
- Psychology: 34
- Social Sciences: 32
- Total: 245

[Note: Departmental Totals exclude the Federal Indirect Cost Program]

SUPERVISION OF GRADUATE STUDENTS AND POST-DOCTORAL FELLOWS, 2011-2012

Graduate Students (supervised)

- Biological Sciences: 83
- Computer & Mathematical Sciences: 65
- English: 40
- Humanities: 26
- Management: 22
- Philosophy: 10
- Physical & Environmental Sciences: 91
- Psychology: 32
- Social Sciences: 121
- Total: 482

Post-doctoral fellows

- Biological Sciences: 12
- Computer & Mathematical Sciences: 6
- English: 2
- Humanities: 2
- Management: 2
- Philosophy: 1
- Physical & Environmental Sciences: 17
- Psychology: 9
- Social Sciences: 13
- Total: 64

PROGRAMS & COURSES OFFERED 2012-2013

<table>
<thead>
<tr>
<th>Department</th>
<th>Programs</th>
<th>Courses</th>
<th>Course Enrollment</th>
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<tr>
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<td>2,765</td>
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<tr>
<td>Arts Culture &amp; Media</td>
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<td>185</td>
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<tr>
<td>Biological Sciences</td>
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<td>Computer &amp; Mathematical Sciences</td>
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Note: New departments created 2012-13.
* active programs only

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Tomorrow is created here.