

# THE EDGE OF ACHIEVEMENT

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2016 Annual Review



University  
of Victoria

“The UVic Edge is the combination of dynamic learning, vital impact and an extraordinary academic environment that can’t be found anywhere else. This describes the advantage students gain by coming here; the commitment we’ve made to research that makes a difference; and the special characteristics of our academic community.”

—UVic President  
Jamie Cassels



Welcome to the UVic Edge



The world is interconnected and ever-evolving.

Learning should be too.

Here, every student is immersed in dynamic learning fuelled by research-inspired insights and hands-on experiences—a powerful edge of career-relevant expertise and personal growth.

#### Sharing the undersea experience

Education grad Mike Irvine took academia beneath the waves for his scuba-diving master's defence—exploring ways technology can help reconnect kids to the ocean.



#### Rethinking service to the vulnerable

When students from the Peter B. Gustavson School of Business helped Our Place Society feed members of Victoria's street-involved community, they were also assembling a business study about how to improve one of the society's keystones: meal services.



#### Reviving the reef-net fishery

Indigenous education advisor XEMFOLTW Nick Claxton's doctoral work to rekindle a fishing technique once banned by colonial officials also brought the WSÁNEĆ (Saanich) Nation and Lummi Nation communities together, extending learning and participation in a sustainable salmon fishery.



#### Building a tree-planting robot

Could a robot take on one of BC's most demanding physical jobs, and fight deforestation? Two UVic engineering undergrads used entrepreneurial co-op work terms to design and build a prototype tree-planting robot, and launched their own company in the process.

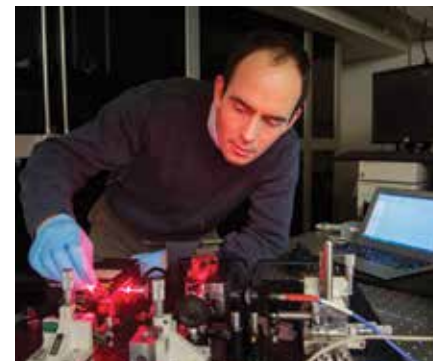


Our students and faculty are driven by a commitment to the urgent issues that matter to people, places and the planet.

Sustainability, healthy societies, social justice, jobs and a strong economy are at the core of our commitment to meaningful change.

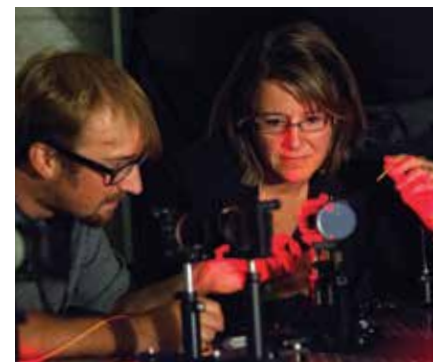
#### Revolutionizing the blood test

UVic biochemists Terry Pearson and Washington, DC-based Leigh Anderson, along with students and alumni at their start-up company SISCAPA Assay Technologies, developed a technique that can measure more than 25 different disease biomarkers at once—with just one drop of dried blood.



#### Detecting lung cancer with a urine sample

Long before cancer cells are detectable to most screening tests, their distinct metabolizing behaviours can reveal them—if you know what to look for. UVic engineer Reuven Gordon and chemist Fraser Hof, in partnership with Vancouver-based Biomark Diagnostics, are developing an inexpensive, non-invasive way to detect cancer in urine.



#### The new space race

Victoria-based astronomy expertise—and leadership in international “big science” projects like the \$1.6-billion Thirty Meter Telescope in Hawaii—is securing valuable research time for Canadian scientists at these new facilities while drawing hundreds of millions of dollars in high-tech funding to BC.



#### A healing gift

UVic anthropologist Andrea Walsh and Alberni Residential School survivors are working together on a partnership project—based around a trove of children’s art recovered from the school—that’s helping members of the local Indigenous community acknowledge past injustices and move forward in the spirit of healing and reconciliation.



Our Pacific Rim location breeds a passion for exploration, inspiring us to defy boundaries, discover and innovate.

Living and working in one of the world's most environmentally rich regions, we build relationships essential to a vibrant learning community.

#### Breathing new life into learning

As part of an ecological restoration field school, 15 students and environmental studies professor Eric Higgs worked intensely on group projects—off the grid, with no internet, and with the spectacular outdoor environment of Galiano Island as their principal classroom.



#### Collaborative medical training on the Island

Life-like mannequins and real-time clinical situations are key components of the new \$2.9-million Centre for Interprofessional Clinical Simulation Learning at Victoria's Royal Jubilee Hospital—the result of a partnership between UVic's School of Nursing, UBC's Faculty of Medicine and Island Health—which will substantially improve medical training on the Island by replicating working conditions and scenarios that doctors and nurses face every day.



#### A new way to see old England

Thanks to the survival of a 450-year-old woodcut map and years of work by the Map of Early Modern England research team, Shakespeare's London "opens up to us like a Google map," explains UVic English professor Janelle Jenstad—enriching the experience of scholars, historians and anyone around the world who's captivated by the changes that transformed the city in the 1600s.



#### One family's traditions enrich us all

Joye Walkus—who graduated in June 2015 as part of the first cohort to earn a Bachelor of Education in Indigenous Language Revitalization—crossed the stage in a Chilkat blanket normally housed in the collection of the Royal BC Museum. The blanket belonged to her grandfather, who taught her the Kwak'wala language.





40 years after launching one of Canada's largest co-operative education programs, UVic celebrated its 75,000th co-op placement at the beginning of 2016. Co-op plays a major role in the UVic experience, with one in three students taking part.

#### **Connecting with Indigenous communities**

Learning came to life for psychology and Indigenous studies student Nicole Mandryk during her four-month co-op work term as a camp assistant. Mandryk, who is Irish, English, Ukrainian, Anishinaabe and Mohawk, was hired to engage with local Aboriginal communities through a range of summer programs, including nature-based counseling, equine-facilitated wellness workshops, drumming events and youth camps.



#### **CARSA opens its doors to athletic and adaptive achievement**

The Centre for Athletics, Recreation and Special Abilities (CARSA)—UVic's state-of-the-art athletics and recreation facility and new home for assistive technology program CanAssist—opened its doors in May 2015. CARSA provides world-class training and learning facilities for all community members, with access to athletics and recreation resources as well as specific services and research programs.



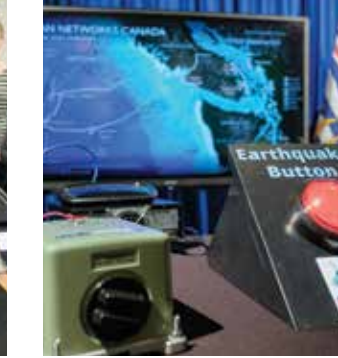
#### **Governor General's award and Iskowitz Prize for visual artist**

Seven months after being named one of eight recipients of the Governor General's Awards for Visual and Media Arts, visual arts professor Sandra Meigs was announced as the winner of the \$50,000 Gershon Iskowitz Prize at the Art Gallery of Ontario for 2015. In addition to the cash award, the prize comes with a solo exhibit at the gallery and a further \$10,000 toward a publication on Meigs' work.



#### **3M teaching awards for Jin-Sun Yoon and David Blades**

Curriculum and instruction professor David Blades became the 11th UVic recipient of a prestigious 3M National Teaching Fellowship in early 2016, recognizing his extraordinary role in training tomorrow's teachers to provide engaging, hands-on science education. Blades' award comes on the heels of a 2015 3M fellowship granted to Jin-Sun Yoon, teaching professor with the School of Child and Youth Care.



#### **Oceans data will provide early-alert earthquake warnings**

Thanks to \$5 million in new funding by the government of BC, the offshore sensors of Ocean Networks Canada (ONC) will be part of an early warning system to detect the first signs of major earthquakes—with the potential to automatically slow trains, shut down gas lines and provide life-saving reaction time to drop, cover and hold on. The new funding allows ONC to expand sensor placements and gather data from other agencies into its world-leading Oceans 2.0 data-management system.

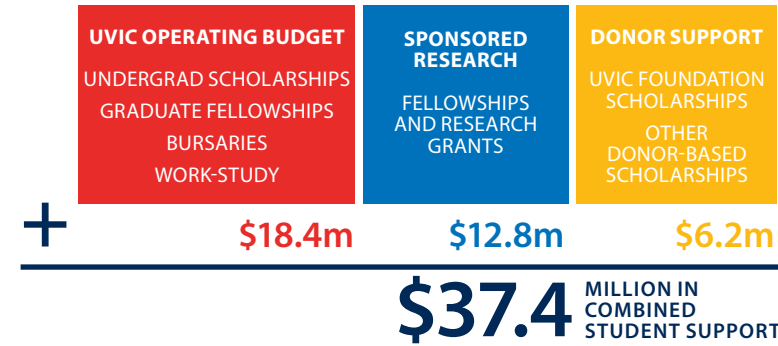


#### **Back-to-back victories at World Economic Forum green business competition**

The 2016 Sardul S. Gill Graduate School student team from the Gustavson School of Business successfully defended its 2015 title in the Corporate Knights "Business for a Better World Case Competition" held in Davos, Switzerland during the World Economic Forum. The 2015 team took top place for plans to improve pharmaceutical maker Novartis' sustainability and accountability measures, while the 2016 team won for recommendations to decarbonize the nearly \$1-trillion financial holdings of the Norway Government Pension Fund Global.

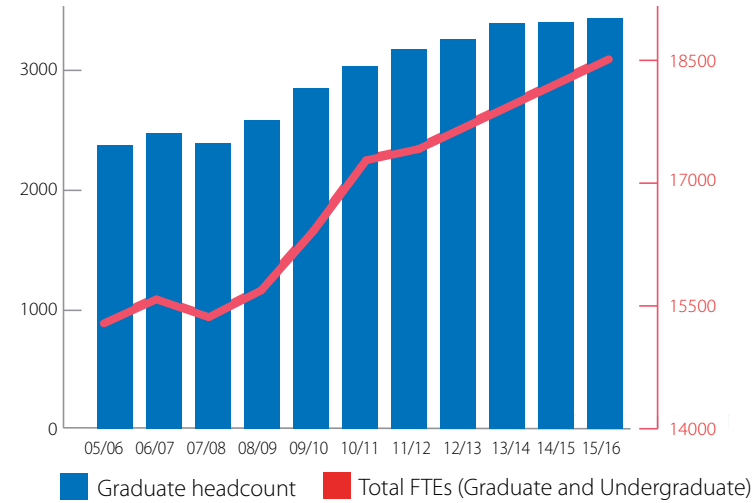
### Supporting student success

In 2014-15, UVic's operating budget provided \$18.4 million in direct financial support to students, in addition to \$3.6 million in awards funded from the UVic Foundation, another \$2.6 million in other donor-sponsored scholarships and support, and \$12.8 million in fellowships for sponsored research. In total, UVic distributed \$37.4 million in student support.



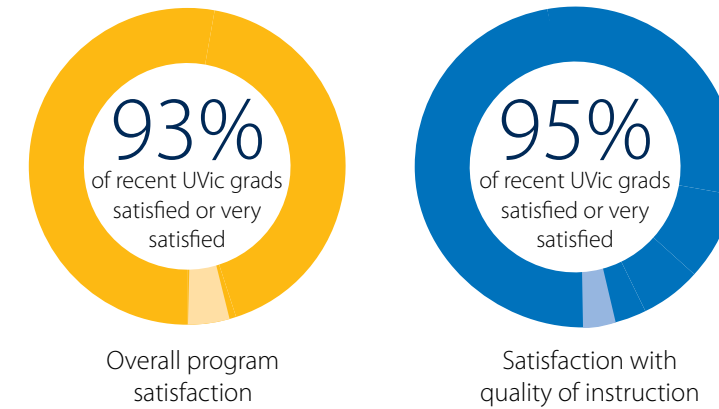
### Cultivating outstanding scholarship

Graduate headcount and total FTEs



### High levels of program satisfaction

2014 BC Baccalaureate graduate survey—2 years after graduation



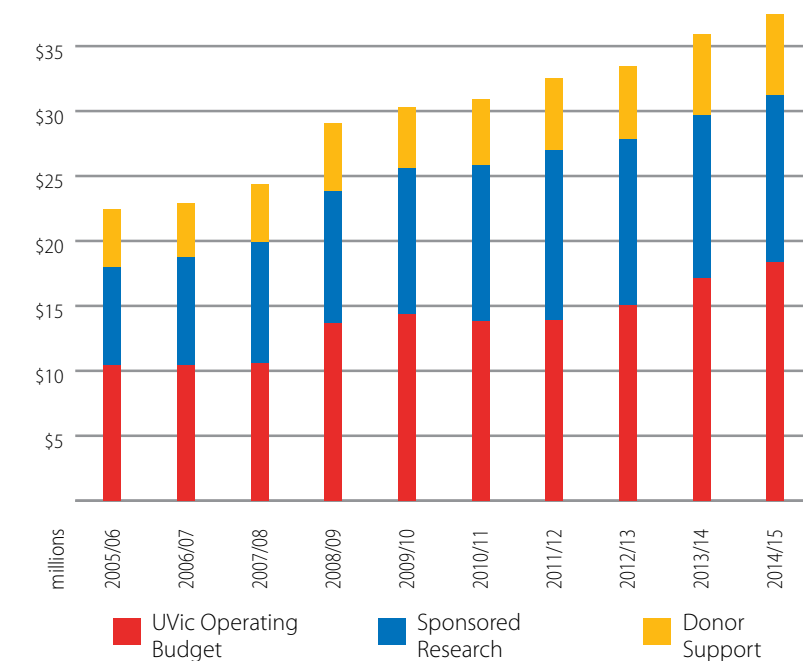
### Paths to employment

Employment rates by degree area—2 years after graduation

UVic graduates by faculty	Employment rate (of those in labour force)	Average annual income	Work related to program
HUMAN & SOCIAL DEV.	98%	\$64,000	97%
BUSINESS	97%	\$55,000	82%
EDUCATION	97%	\$45,000	83%
ENGINEERING	91%	\$79,000	85%
LAW	91%	\$75,000	96%
HUMANITIES	90%	\$42,000	41%
SOCIAL SCIENCES	90%	\$46,000	49%
SCIENCE	88%	\$54,000	64%
FINE ARTS	85%	\$42,000	52%
<b>UVIC TOTAL</b>	<b>93%</b>	<b>\$56,000</b>	<b>71%</b>

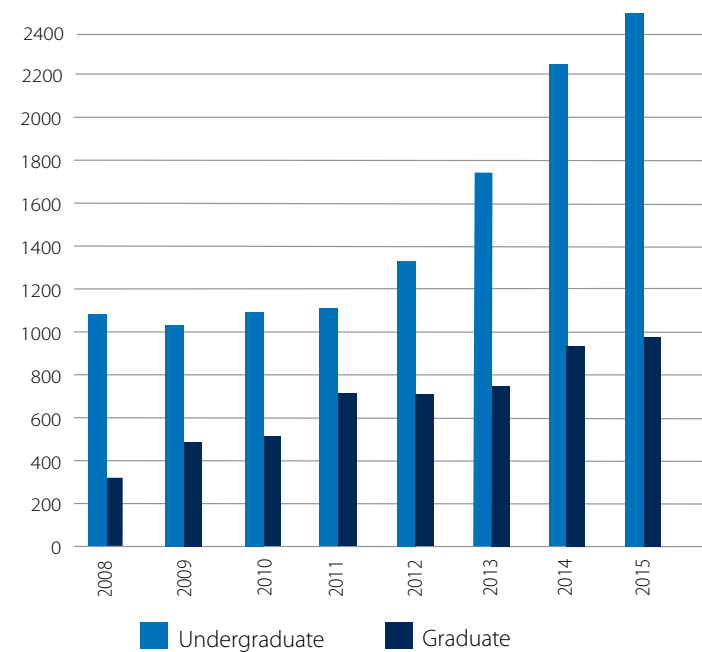
### Growing levels of student support

Sources of student financial assistance



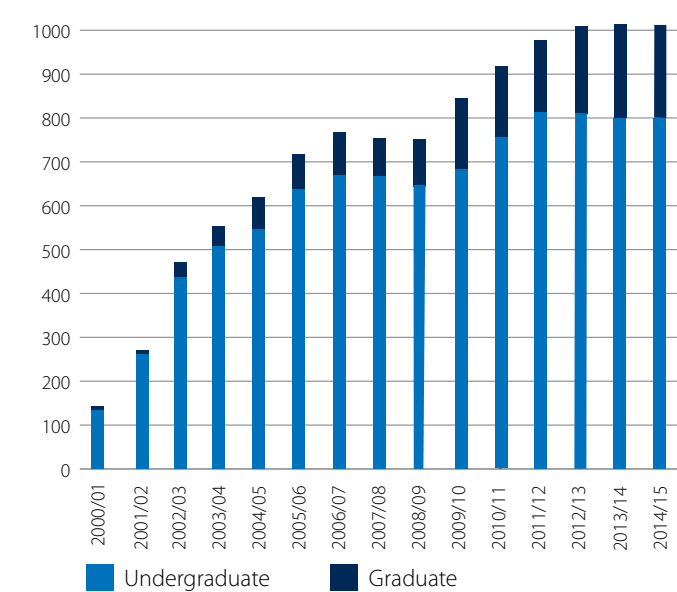
### Attracting students from around the world

International enrolment



### Transforming Indigenous education

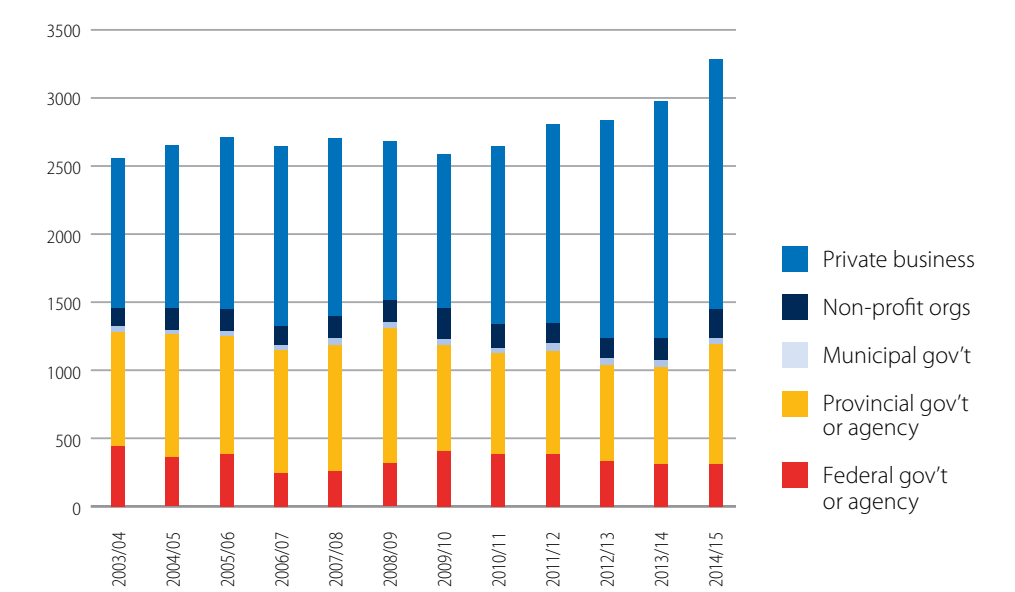
Enrolment of Indigenous students



Data: University of Victoria Student Information Systems (ISIS, Banner) and Ministry of Education K-12 database and Student Transitions Project (STP)

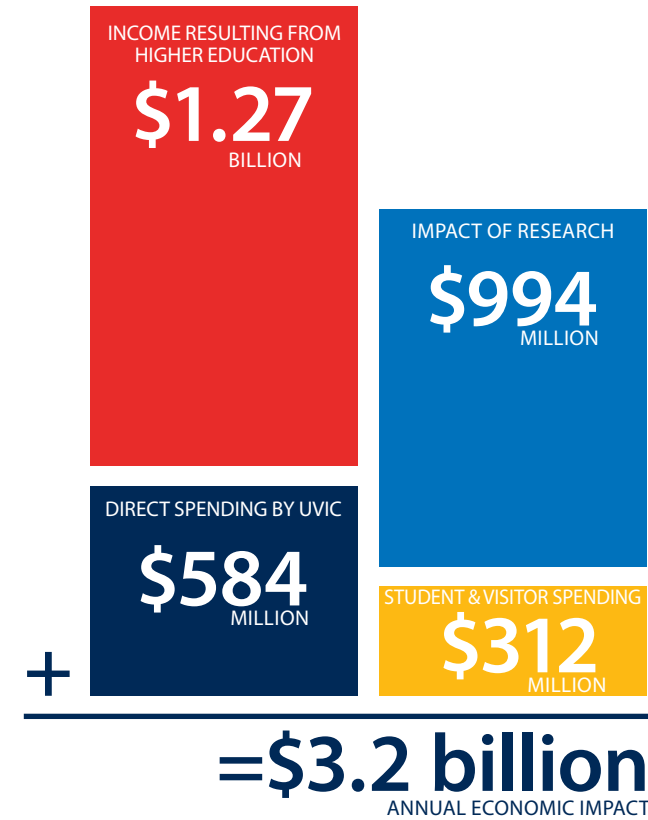
### One of Canada's largest co-op education programs

Co-op work term placements by employer type





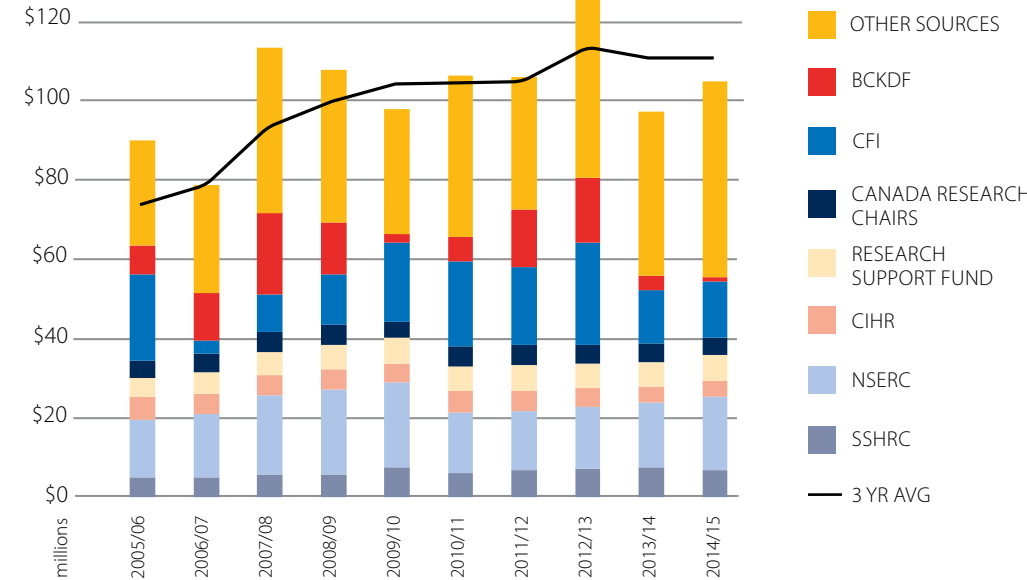
Driving Canadian prosperity  
UVic economic impact



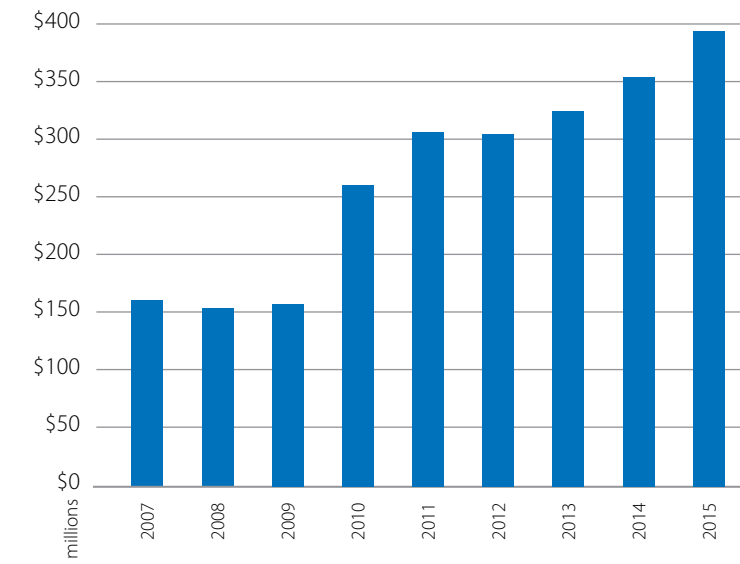
Alumni around the world  
Graduates with global reach



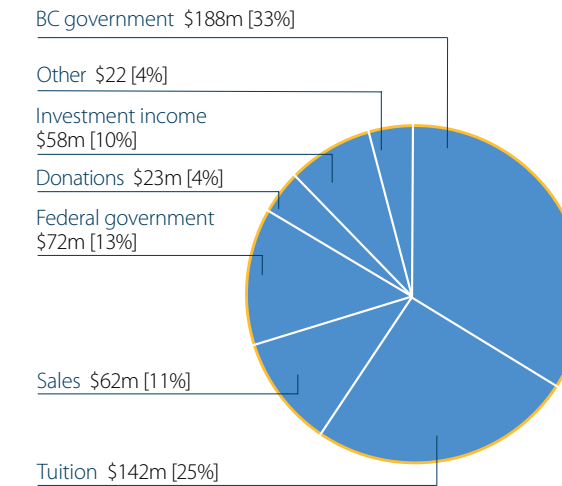
A Canadian research leader  
Total research income



Investing in the future  
Endowment funds

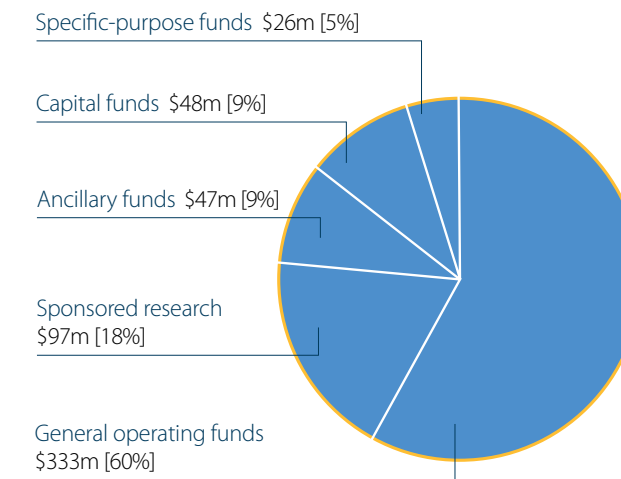


Revenues by source 2014/15  
[Fund accounting basis. In millions.]



Revenues total = \$567 million

Expenditures by fund 2014/15  
[Fund accounting basis. In millions.]



Expenditures total = \$551 million

UVIC FACTS AND FIGURES

**Student enrolment (2015/16):** 21,593 (including 3,446 graduate students)

**Faculty and staff (Feb. 2016):** 4,851 employees, including 879 faculty (43% female, 57% male); 524 sessional instructors; 1,088 specialist/instructional staff; and 2,360 administrative, professional and support staff.

**International perspectives drive teaching and research.** Every year since its inception in 2011, the international Leiden university rankings have highlighted an indelible characteristic of the UVic campus—our global perspective. The data-driven rankings, produced by the Centre for Science and Technology Studies at Leiden University, consistently demonstrate that UVic researchers publish a higher proportion of research based on international collaboration than any other Canadian university. In addition, the UK-based Times Higher Education places UVic at #175 on its January 2016 list of the world's 200 most international universities.

**UVic among top institutions for sustainable practices.** UVic is recognized as one of the top performers in sustainability practices in the 2015 Sustainable Campus Index, released by the Association for the Advancement of Sustainability in Higher Education (AASHE). Using the Sustainability Tracking, Assessment and Rating System (STARS), AASHE assesses numerous categories of performance by colleges and universities in the US, Canada and around the world. In the report, UVic is highlighted as a top performer in four categories: 1) air and climate, 2) coordination and planning, 3) dining services and 4) purchasing.

**One of Canada's top diversity employers.** For the fifth year in a row, UVic is one of Canada's Best Diversity Employers in 2015. In all, 65 organizations from across the country were recognized for a range of exceptional initiatives to attract and retain employees from diverse communities. In addition, the federal government's Canada Research Chairs program lauded UVic for exceeding its equity targets in three designated groups. In 2015, 30 per cent of our research chairholders were women, 23 per cent were visible minorities and 3 per cent were Aboriginal people.



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