

Investing in BC's Future: Post-Secondary Education

Presentation to the Select Standing Committee
on Finance and Government Services

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A Provincial Success Story: Outline



1. BC has built a high-quality, differentiated post-secondary system that creates pathways to success for students
2. BC's universities attract talent, educate people and generate ideas. Education and research are engines of social and economic prosperity
3. In challenging economic times, BC's universities have done their part to reduce pressure on public finances – but not without challenges
4. Six recommendations to consider



With the support of the Province:

- UVic continues to educate growing numbers of students
- UVic offers successful student outcomes:
 - UVic attracts talent to the province
 - UVic attracts a diverse student body
 - UVic students rate their educational experience highly
 - UVic graduates do well in the labour market
- UVic research creates knowledge and commercialization:
 - UVic attracts investment to the province
 - UVic research stimulates innovation

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UVic at a Glance Facts and Figures



- Students: ~21,200 (101% of provincial target)
 - Including ~ 3,400 graduate students
 - Including ~ 3,200 international students from 120 countries
 - Including ~ 1,000 indigenous students
- Faculty: ~890; over 4,500 employees in total
- Structure: 12 faculties, 40 departments
- Degrees awarded: ~120,000
- Budget:
 - Total budget ~ \$0.6B
 - Operating budget: \$325M
 - Includes \$172M provincial grant
- Economic impact: \$3.2B



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- **Extraordinary Academic Community**
 - A destination university (75% of our students from “away”)
 - “Right-sized” – large enough for comprehensive programming and research-intensive contribution, while still on a human scale
 - Influence of place – west coast, pacific rim gateway, indigenous education and research
- **Dynamic Learning**
 - Experiential and research-enriched learning: second largest co-op program in Canada and a leader in other forms of hands-on learning (clinics, practica, internships, service learning, creative involvement)
 - Integrating research, teaching and learning
- **Vital economic and social impact**
 - Faculty renowned for research excellence with strong focus on social and economic innovation and impact
 - Community and regional engagement

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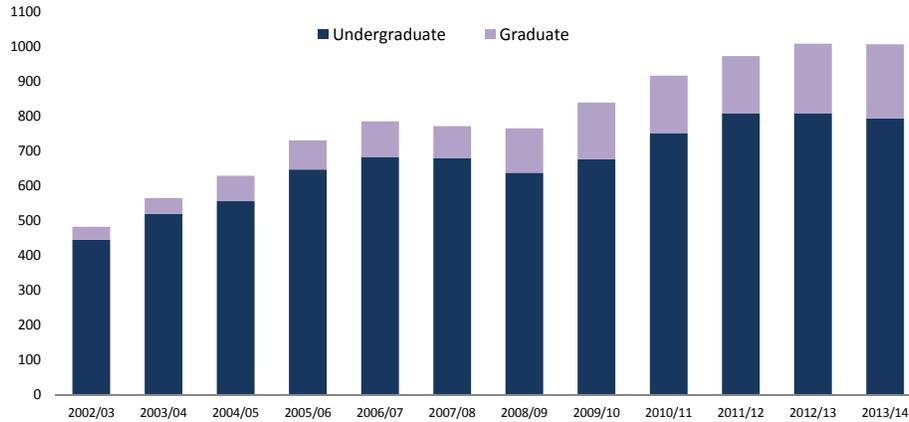
- 20% enrolment growth over the decade



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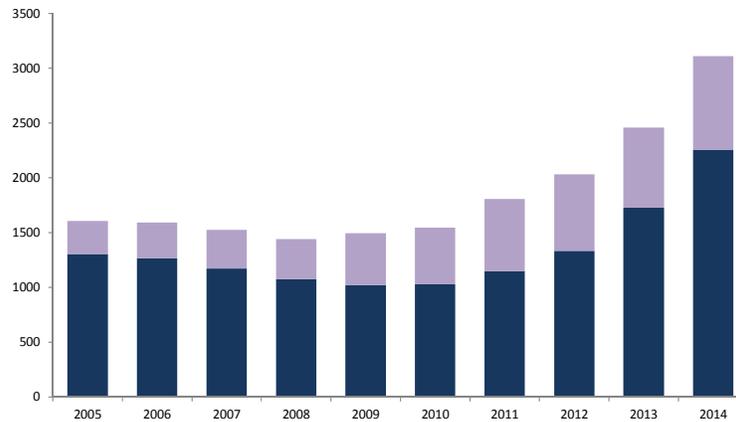
- UVic is committed to closing the education gap



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



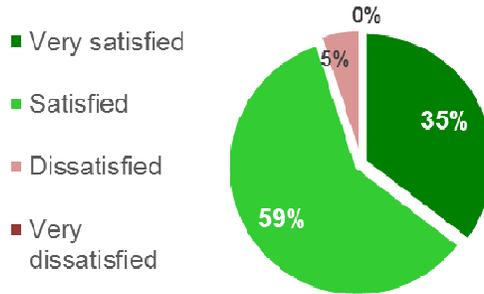
- Meeting provincial goals and promoting student mobility and global education





- UVic graduates consistently report a 94% to 96% satisfaction rate in the Baccalaureate Graduate Survey

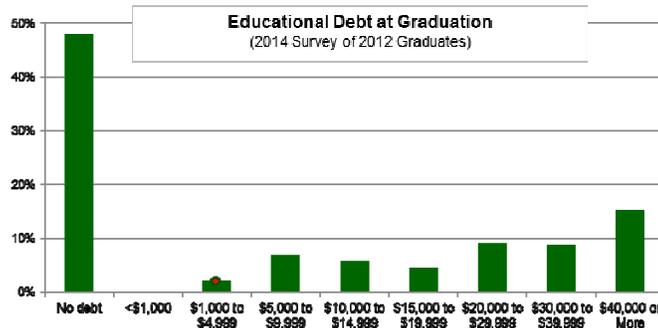
UVic Student Satisfaction



2014 Survey of 2012 Graduates



- UVic aligns its own policies and resources to support the province's commitment to access and affordability
 - In 2014-15, UVic received \$115M in tuition revenues and spent \$69M on student financial support and on-campus student employment
 - 48% of UVic graduates report no debt at graduation; average debt of those with educational debt is \$25,000



Student Outcomes: Employment by Faculty



- Excellent employment outcomes for students across all the disciplines, responding to student choice and talent and provincial labour market needs
- 78% of anticipated job openings will require college or university qualification

	Bachelor Degree	Apprentice-ship	Diploma or Certificate	High School or Less
BC Employment Rates by Education Level	94%	92%	90%	88%

UVic Graduates by Faculty	Employment rate after two years	Average FT salary after two years	Employment rate after five years	Average FT salary after five years	Job Requires Post-Sec
Engineering	93%	\$61,000	95%	\$78,000	99%
Business	97%	\$56,000	92%	\$67,000	93%
Human & Social Dev.	98%	\$64,000	98%	\$74,000	95%
Science	88%	\$44,000	93%	\$54,000	93%
Social Sciences	89%	\$49,000	95%	\$57,000	93%
Law	91%	\$71,000	100%	\$89,000	100%
Humanities	88%	\$39,000	94%	\$51,000	93%
Education	96%	\$45,000	95%	\$52,000	99%
Fine Arts	90%	\$34,000	100%	\$40,000	86%
UVic Overall	94%	\$52,000	95%	\$61,000	95%

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Jobs Plan and UVic Academic Programming and Research

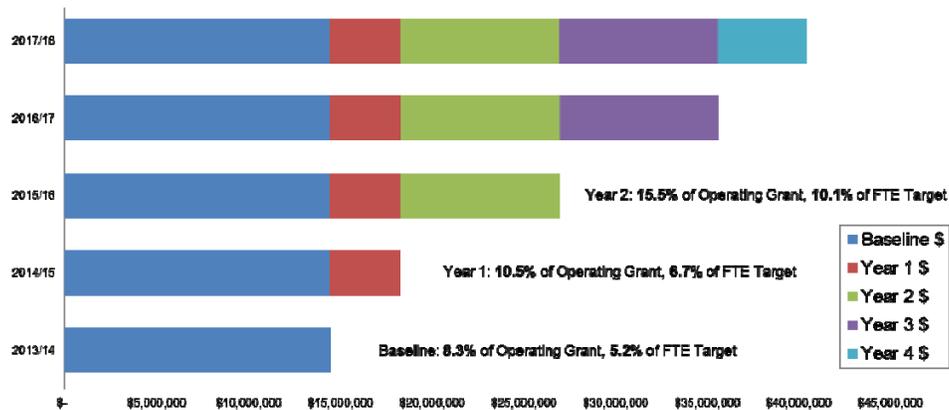


- **Agrifoods:** genomics, proteomics
- **Forestry:** forest biology, reforestation, environmental management and economics, geography, natural systems
- **International education:** growth beyond expectations!
- **Mining:** geology, civil engineering, entrepreneurship and management
- **Natural Gas:** civil engineering, mechanical engineering, management, Smart Oceans
- **Technology:** computer science, network engineering, mechanical engineering, electrical engineering, green energy
- **Tourism:** business, education, geography, arts and culture
- **Transportation:** engineering, business, public administration, social sciences
- **Social Infrastructure:** health and social services, law, education, culture

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- UVic is on track towards meeting the BC Skills for Jobs Blueprint



- *Times Higher Education 2014-15*: UVic in the top 200 in the world; **7th in Canada**
- *QS 2014/15*: UVic ranks 290th in the world; **14th in Canada**
- *Shanghai Jiao Tong Academic Ranking of World Universities 2015*: UVic ranks in the 201-300 group; **7-16 in Canada**
- *CWTS Leiden 2015 (science impact)*: UVic ranks **3rd in Canada**
- *U-Multirank "Research" 2015*: UVic ranks **1st in Canada** in International Joint Publications, **3rd** in Citation Rate, **3rd** in Top Cited Publications
- *Maclean's research metrics*: UVic consistently ranks **in the top 10 to 15**





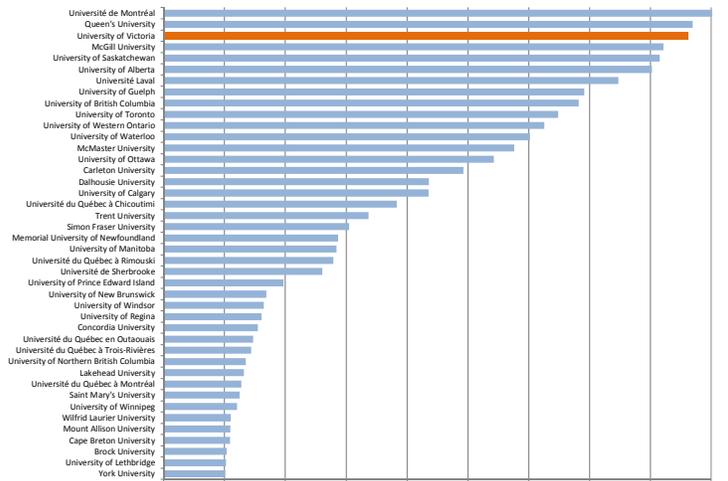
- Research with vital impact on issues that matter
 - Energy and matter (physics, astronomy, energy engineering)
 - Environment (climate, oceans, policy)
 - Health, interdisciplinary, social innovation
 - Culture and international issues (esp. Asia-Pacific)



Pacific Institute for Climate Solutions
 Knowledge. Insight. Action.



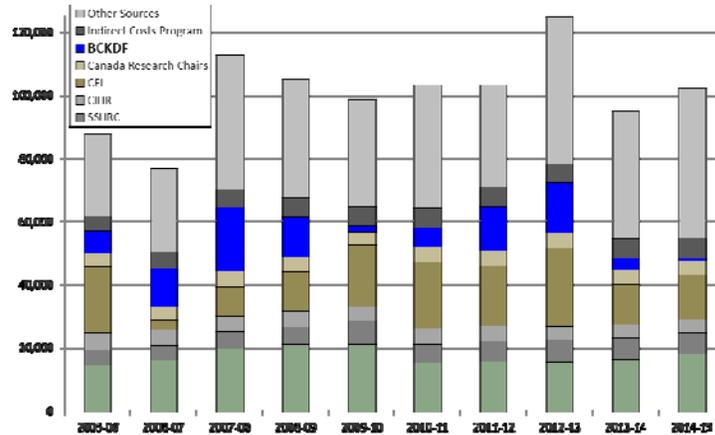
- 2011-2014 Canada Foundation for Innovation (CFI) funding per full-time faculty member



UVic Attracts Research Investments



- The British Columbia Knowledge Development Fund (BCKDF) helps attract research investments, putting on average \$100M per year to work in the province



Economic Innovation

Incubation, Acceleration, Commercialization



- Educational partnerships with 1,200 local, national and international co-op employers annually
- RPKM Office: Research Partnerships and Knowledge Mobilization
- ICE: Innovation Centre for Entrepreneurs
- Entrepreneurship@uvic.ca
- Ocean Networks Canada commercialization
- Tech Park and spin-off companies





- Knowledge mobilization and entrepreneurship: UVic Engineering companies

Company	Employees
Power Measurement	350
Abe Books	100
Pure Edge	60
Shipconstructor	57
GenoLogics	57
Terapeak	46
Priologic	28
Angstrom Power	23
Prototype Equip. Design	18
Kano/Apps	12
Tutela	12
Referral Saasquatch	10
Precision Microdynamics	9
Chatterblock	9
Milroy Engineering	9
Dynamic Systems Analysis	6
Rewards Den	3
Tapstream	2
Zetawire (Toronto)	2
Total	813

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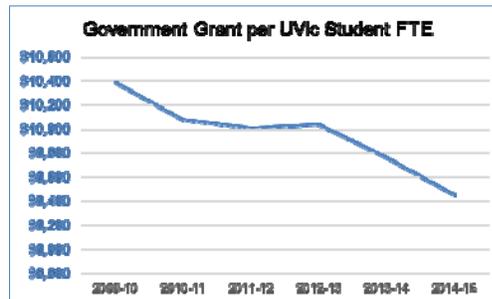
- Importance of graduate students for realizing successful implementation of the Jobs Plan: development of highly qualified personnel
- Importance of graduate students for research and innovation
- Strong competition from other provinces in attracting quality graduate students



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- After welcome public investments to increase student access during the 2000s, the universities have contributed to reduced public expenditure and balanced budgets – In the current decade at UVic:
 - Enrolments continue to grow (up 10% since 2010)
 - Government operating grant reduced (-2.5% since 2010)
 - Annual capital allowance substantially reduced
 - Tuition increases kept to 2%
 - Budget balanced by absorbing cost pressures internally (administrative efficiencies; reduced staffing levels; larger classes; defer maintenance)



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Fulfilling our mission and our ongoing success will require:

1. Continued investment in quality of education and student success – operating grant support taking into account rising cost pressures
2. Continued, stable and predictable research support to continue production of knowledge and innovation + successful leveraging of provincial funding (BCKDF)
3. Continued financial support for students; in particular, reintroduction of a scholarship program for graduate students, who are key to innovation and knowledge mobilization
4. Flexibility on tuition for professional programs to enhance quality
5. Green light on self-financed projects: building residences to house and support students and enhance their success – not at the expense of government or the taxpayer (debt room)
6. Preservation and enhancement of the investment in infrastructure – capital funding for deferred maintenance

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- In an aging society, universities attract young talent to our province and our regions, and create pathways to success
- BC's universities are recognized as among the world's best: an asset to preserve and nurture
- With ongoing investment, BC's universities can continue to help realize future success for our province

THANK YOU

