

Advanced Education and Technology

Facts & Figures

October 2008

Advanced Education System Structure		2008-09
Publicly Funded Institutions		27
Comprehensive Academic & Research Institutions		4
Baccalaureate & Applied Studies Institutions		2
Polytechnical Institutions		2
Comprehensive Community Institutions		11
Independent Academic Institutions		6
Specialized Arts & Culture Institutions		2
Designated Trades & Occupations	Trades	50
	Occupations	9
Private Vocational Schools		151
Community Adult Learning Councils		83

Advanced Education & Innovation System Funding & Resources		2008-09 Budget
Program Expenses		<i>(in millions)</i>
Post-Secondary System Support	\$	2,096
Post-Secondary Facilities Infrastructure		835
Support to Post-Secondary Learners		212
Research & Innovation Capacity		103
Technology Commercialization		123
Apprenticeship Delivery		33
Ministry Support		26
Total Ministry Budget	\$	3,428

Investment in Research & Innovation

Research Revenue Attracted by Alberta Institutions	Universities	\$686.5 M	a 57% increase from 2001-02	2006-07	●
	Colleges & Technical Institutes	\$5.8 M	a \$2.1M increase from 2005-06		●
Alberta Business Expenditures on Research & Development		\$1,077 M		2005	●
Graduate Students	Total	18,605	or 30% of all students	2006-07	●
	Priority Area Graduate Students *	5,986	or 32% of graduate students		●
Government of Alberta Expenditures on Scientific & Innovative Activities		\$456 M		2006-07	
Active iCORE Awards	Research Chairs & Industry Chairs & Professors	28	including 3 new awards	2007-08	●
	Graduate Student Scholarships	271	including 104 new scholarships		●

Did you know?

★ In the last 10 years, Alberta has seen a 153% increase in the number of international Masters and PhD visa students studying at its universities, from 859 in 1996-97 to 2,185 in 2006-07.

★ The level of sponsored research funding provided to universities by non-government sources has more than doubled, from \$64.2 million in 1997-98 to \$152 million in 2006-07.

Technology Commercialization

Canadian Venture Capital Invested in Alberta	2.4%	an increase of 1.1% from 2006	2007	●
Active Knowledge-Intensive (High-Tech) Companies in Alberta **	16,425	or 11% of all companies	2007	
Albertans Employed in Knowledge-Intensive (High-Tech) Companies **	138,500	or 7.1% of the workforce	2007	●

Did you know?

★ The Government of Alberta is investing \$178 million over the next three years to implement the Bringing Technology to Market action plan to encourage technology commercialization, support knowledge-based companies and grow venture capital in Alberta.

★ The investment of \$178 million in the action plan includes a \$100 million investment in the Alberta Enterprise Corporation.
★ In 2006-07, Alberta ranked third (behind Ontario and Quebec, but ahead of B.C.) in patent filing activities.

Affordability of the Learning System

Average Undergraduate Tuition Fees for Full-Time Canadian Learners	Alberta	\$4,964		2007-08	
	Canada	\$4,524			
Average Net Debt of Alberta Graduates Six Months after Graduation (Government Student Loans after Loan Relief is Applied)	University (Graduate Degree)	\$32,682		2006-07	
	University (Undergraduate Degree)	\$18,579			
	College	\$12,182			
	Technical Institution	\$10,819			
Graduates Reporting their Program was Worth the Financial Cost		84%		2007-08	●
Full-Time Students Receiving Financial Assistance		36,428		2006-07	
Scholarship Recipients		30,230	received a total of \$54.5 million	2007-08	
AET Scholarship Dollars per Full-time Student		\$302		2006-07	●

Did you know?

★ In 2006-07, the Alberta government covered 67% of a student's educational costs though grant support for the delivery of credit instruction, the student contributed 26% through tuition and institution fees, and 7% came from other sources.

★ Alberta's scholarship program is the most generous program per capita in Canada.
★ In the last 6 years, the Government of Alberta's scholarship budget has more than doubled to \$77 million which is equivalent to \$22.50 for every Albertan.

* Priority areas: Life Sciences, Energy, Nanotechnology, and Information and Communications Technology.

** Knowledge-intensive companies are those that develop products or services using advanced technological research or base their activities on the application of advanced knowledge.

Access & Participation in Learning

Total Number of Learners in Publicly Funded Post-Secondary Programs		265,427		2006-07	
Apprenticeship Registrations		67,274	with 22,663 newly registered	2007	
Aboriginal Learners in Publicly Funded Post-Secondary Programs		7,674	or 3% of learners	2006-07	●
Aboriginal Learners Participating in Apprenticeship		1,505	or 2% of apprentices	2007	●
International Visa Learners Studying in Alberta		9,598	or 4% of learners	2006-07	●
High School to Post-Secondary Transition Rate of 2001-02 Learners	within 4 Years of Entering Grade 10	37.0%		2004-05	
	within 6 Years of Entering Grade 10	60.3%		2006-07	●
Adult English as a Second Language Program Registrants		5,346	in 468 courses	2007	
Literacy Programs	Adults Tutored	2,032		2007	
	Registrants	5,470	in 566 courses		
Family Literacy Programs	Parents	5,430		2006-07	
	Children	6,340			

Did you know?

- ★ In 2007-08, 79% of Albertans were satisfied that adult Albertans have access to the education or training they want.
- ★ Alberta has about 10% of Canada's labour force, however, it trains more than 20% of the country's apprentices.
- ★ Alberta offered more than 6,000 additional apprenticeship technical training seats in 2007-08.
- ★ The proportion of Albertans aged 18-34 participating in post-secondary education has been declining from 19% in 2005 to 17% in 2007, whereas the proportion of Canadians participating in advanced learning is increasing.
- ★ 3,615 qualified Alberta applicants were turned away from Alberta post-secondary programs in Fall 2007.

Quality & Learning Outcomes

Graduates' Satisfaction with the Overall Quality of their Educational Experience		91%		2007-08	●
Employer Satisfaction with the Skills and Quality of Work of Post-Secondary Graduates		88%		2007-08	●
Proportion of Albertans Aged 25-64 having Completed a Post-Secondary Credential	Alberta	59%	Alberta had the 4th highest attainment level of all provinces.	2007	●
	Canada	60%			
Credentials Awarded by Publicly Funded Institutions in Alberta		34,800		2006-07	
Employment Rate of Graduates within Two Years of Graduation	Certificate & Diploma Graduates	96%		2007-08	●
	University Graduates	98%		2007-08	●
	Journeypersons	97%		2006-07	●
Median Annual Salary of 2005-06 Graduates Surveyed Two Years after Graduation	Graduate Degree	\$75,000		2007-08	
	Undergraduate & Applied Degrees	\$55,000			
	Certificate & Diplomas	\$40,000			

Did you know?

- ★ In 2007, the average hourly earnings for a person with a university degree in Alberta was \$29 compared to \$19 per hour for someone with a high school diploma.
- ★ In 2007, the median gross annual income for recently certified journeypersons in Alberta was \$61,920.
- ★ Alberta has produced more tradespeople with an Interprovincial Standards Red Seal than any other jurisdiction in Canada.

● Performance measures in the department's 2008-11 Business Plan.

Visit the *Advanced Education and Technology* website for additional information on the facts and figures provided:
www.advancededandtech.alberta.ca

Publicly Funded Post-Secondary Institutions

	Main Campus	GOA Funding	Students (2006-07)			
		2006-07 Actual	Full-time	Part-time	Total	FLEs
		(in millions)			*	**
Comprehensive Academic & Research Institutions		\$ 1,151.7	71,241	46,393	117,634	70,514
University of Alberta	Edmonton	600.9	34,469	5,625	40,094	32,338
University of Calgary	Calgary	424.3	24,453	6,471	30,924	24,044
University of Lethbridge	Lethbridge	94.4	7,884	1,501	9,385	6,949
Athabasca University	Athabasca	32.1	4,435	32,796	37,231	7,184
Baccalaureate & Applied Studies Institutions		201.7	19,661	9,480	29,141	17,836
Grant MacEwan College	Edmonton	124.4	11,420	5,661	17,081	10,339
Mount Royal College	Calgary	77.3	8,241	3,819	12,060	7,497
Polytechnical Institutions		302.1	38,564	16,674	55,238	23,861
Northern Alberta Institute of Technology	Edmonton	177.8	21,425	5,129	26,554	12,274
Southern Alberta Institute of Technology	Calgary	124.2	17,139	11,545	28,684	11,587
Comprehensive Community Institutions		397.8	29,239	24,634	53,873	24,502
Bow Valley College	Calgary	35.5	2,821	5,448	8,269	3,457
Grande Prairie Regional College	Grande Prairie	21.1	1,420	809	2,229	1,262
Keyano College	Fort McMurray	54.4	1,666	780	2,446	1,223
Lakeland College	Vermilion	33.7	2,692	4,175	6,867	1,778
Lethbridge College	Lethbridge	43.9	4,663	1,703	6,366	3,726
Medicine Hat College	Medicine Hat	27.3	2,782	2,972	5,754	2,366
NorQuest College	Edmonton	30.6	4,018	3,471	7,489	4,023
Northern Lakes College	Grouard	25.4	744	657	1,401	778
Olds College	Olds	30.6	1,437	2,035	3,472	1,309
Portage College	Lac La Biche	23.0	1,297	1,513	2,810	979
Red Deer College	Red Deer	72.3	5,699	1,071	6,770	3,600
Independent Academic Institutions		20.8	3,404	1,434	4,838	3,025
Alliance University College ***	Calgary	1.1	75	377	452	124
Canadian Nazarene University College ***	Calgary	1.3	186	290	476	192
Canadian University College	Lacombe	2.4	338	115	453	314
Concordia University College of Alberta	Edmonton	9.0	1,635	397	2,032	1,431
St. Mary's University College	Calgary	2.1	462	116	578	348
Taylor University College and Seminary	Edmonton	1.4	163	50	213	142
The King's University College	Edmonton	3.5	545	89	634	473
Specialized Arts & Culture Institutions		59.5	4,511	192	4,703	1,318
Alberta College of Art and Design	Calgary	10.9	1,076	192	1,268	963
The Banff Centre ****	Banff	48.6	3,435	—	3,435	355
Total		\$ 2,133.6	166,620	98,807	265,427	141,057

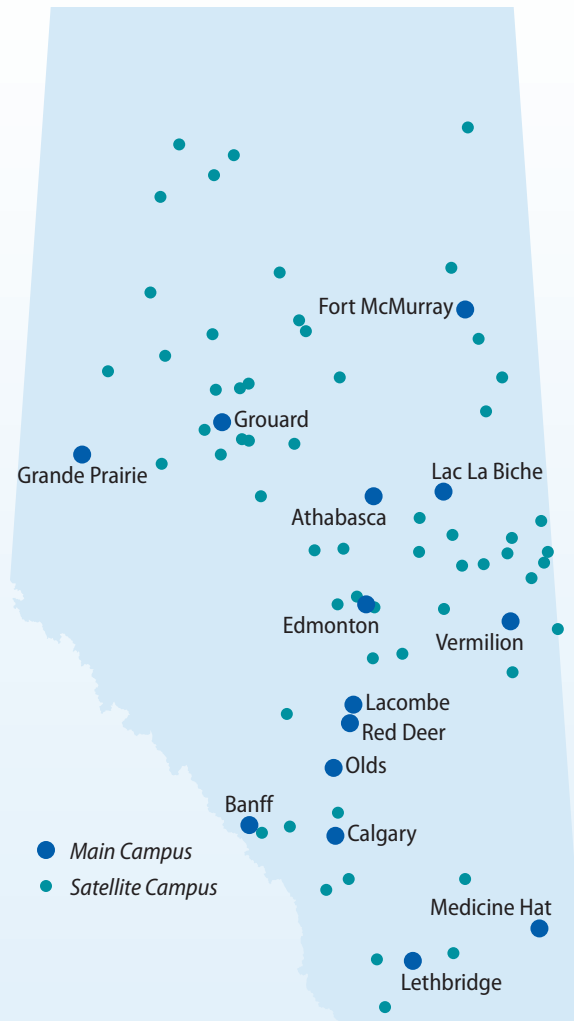
* This is the total unduplicated headcount and may not equal the sum of the institutional totals as a learner can attend more than one institution.

** An FLE (full-load equivalent) represents one learner taking a full course load for a standard year of study. FLEs allow for comparisons across program types.

*** As of May 2007, Alliance University College and Canadian Nazarene University College merged to form Ambrose University College.

**** Enrolments for the Banff Centre are not reported through the Learner Enrolment Reporting System. The FLE and headcounts are the enrolments in the Banff Centre's Arts programs. All enrolments are full-time. The Banff Centre also offers unique programming that is not considered credit instruction, however, the institution is publicly funded.

Campus Alberta: Post-Secondary Campuses



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