

University of Waterloo
SENATE FINANCE COMMITTEE

Notice of Meeting

DATE: Wednesday, November 11, 2009
TIME: 1:30 p.m. – 3:30 p.m.
PLACE: Needles Hall, Room 3004

AGENDA

1. General Information on UW Finances*
2. 2009/2010 Operating Budget Update*
3. 2010/2011 Operating Budget Scenario**
4. Other Business / Information Items?
5. Next Meeting: Wednesday, February 24, 2010 at 1:30 p.m.

* material attached or to be distributed/presented **

rw
November 3, 2009

Rebecca Wickens
Associate University Secretary

University of Waterloo (UW)
GENERAL INFORMATION ON FINANCES

Fund Accounting

Universities use an accounting principle known as 'fund accounting'. Monies are segregated in several different funds, depending on their source and purpose. Each of these funds can be viewed as a 'bank account' which receives income each year, from which various expenses are paid. Transfers between funds are subject to stringent rules.

Operating Fund

Each year, the Senate Finance Committee (SFC) reviews the Operating Budget, which describes projected income and expenses for the Operating Fund. A major source of operating income is the operating grant from the Ontario Ministry of Training, Colleges & Universities (MTCU). The Basic Grant is allocated on the basis of an enrolment corridor system. UW must maintain average enrolment above its corridor floor in order to retain a share of the basic operating grant. The university also receives allocations for both undergraduate and graduate growth and these funds are shared with faculties and academic support units based on their activity levels.

The university receives several special purpose funds (e.g., Access for Disabled, Grant in lieu of Taxes) which must be used for specific expenses. Certain components, such as Research Infrastructure, are funded based on UW's share of funding from the federal granting councils (NSERC, CIHR, SSHRC). Tuition fees form the other major source of operating income. The preliminary 2009-10 budget projects, for the first time, that tuition fees will exceed operating grants. A portion of the funds from tuition increases up to 2005/06 must be allocated to needs-based student assistance (shown under the heading 'Tuition Set Aside' in the expense budget). A portion of the grant and tuition income is transferred to the Federated & Affiliated Colleges (with a percentage retained for services provided by UW to the Colleges). Other sources of income include co-op and student services fees, overhead on research contracts, and interest on non-endowed funds held temporarily in UW accounts. Miscellaneous income includes OHIP billings and professional services income in Optometry and Health Services, application processing fees, tuition for continuing education courses, and other general revenues.

The largest expenditures in the Operating Budget are salaries and employee benefits for faculty and staff. Other major expenses include student support, utilities, library acquisitions, and supplies. Several special purpose funds are administered centrally and include: Academic Development (ADF), Co-operative Academic Enhancement, Faculty Recruitment & Retention, International, Learning Infrastructure, New Initiatives, Quality Improvement and Special Projects. The expense budget shows the base level of ongoing expenditures as well as temporary budget adjustments to recognize unusual expenses or savings in the current fiscal year. An operating surplus (deficit) occurs if operating income is greater than (less than) operating expenditures in a particular year. The 2009-10 Operating Budget (April 2009 BOG) shows a projected operating deficit of (\$2.4M). This preliminary budget will be updated for the February 2010 BOG meeting.

Research Funds

The largest area of expenditure, after the Operating Fund, is research. The university administers, on behalf of UW researchers, about \$117 million per year. The university acts as a trustee for these monies, and must ensure that they are spent for the purposes intended. The federal granting agencies (NSERC, CIHR, SSHRC) provide for direct costs of research (e.g., salaries, supplies, equipment) and, through a multi-year commitment, provide funding to help offset the indirect costs arising from federally funded research.

Ancillary Operations

The Ancillary Enterprises generate about \$74 million annually and include the Residences, Retail Services, Food Services, Graphic Services, WATCARD and Parking. They pay the university operating fund for space, utilities, administrative services, maintenance, etc., and must maintain contingency funds for major repairs such as roof replacements, renovations. Additional annual contributions to the operating fund are made by Retail Services and Parking of \$160,000 and \$350,000, respectively.

Trust & Endowment Funds

The university has many trust & endowment accounts, most of which support scholarships, Chairs, and student activities. Total endowment contributions (principal) amount to about \$232 million (at cost). A percentage of the investment income only is expended each year for purposes designated by the donor and the remainder, if any, is used to preserve the 'purchasing power' of the fund, as the principal must be permanently maintained.

Capital Funds

Each year, MTCU provides funding to support building repairs and related maintenance and alterations. This funding is intended to supplement each university's in-house maintenance program. Funding is allocated to the universities by formula, on the basis of their respective 'space entitlements'. Strict guidelines apply, and projects must be submitted to MTCU for approval. From time to time, special government programs (e.g., CFI, ORF, Knowledge Infrastructure Program) may provide capital funding for construction or renovation costs, generally with a portion of the costs to be provided by UW. Commencing in 2007/08 the government is providing capital funding for new or enhanced physical space to support graduate growth. The total support available to Ontario institutions is \$550 million and is allocated for a period of 20 years based on actual enrolment growth.

UNIVERSITY OF WATERLOO
2009/10 Operating Income Budget

BOG 2009-04-07

	2008/09 Base 09-02-03 \$000	Estimated 09/10 % Increase	Estimated 09/10 \$ Increase \$000	2009/10 Base \$000	Notes
INCOME					
Operating Grant					
Basic Grant	146,417		25,769	172,186	[1]
Graduate Growth	15,804		(9,804)	6,000	[2]
Undergraduate Growth	11,172			11,172	[3]
Tuition Offset Grant	7,386		(7,386)	0	
Quality Assurance Fund	5,191		(5,191)	0	
Quality Improvement Fund	6,524			6,524	[4]
Unfunded BIUs	853		(251)	602	[5]
Transfers to Colleges	(9,055)		(236)	(9,291)	
Performance Fund	2,024			2,024	
Research Performance	400		(400)	0	
Research Infrastructure	1,552			1,552	
Access for Disabled	589			589	
	<u>188,857</u>	<u>1.3</u>	<u>2,501</u>	<u>191,358</u>	
Tuition					
Undergraduate	153,793		16,233	170,026	[6]
Transfers to Colleges	(9,152)		(1,018)	(10,170)	
Graduate	31,278		3,638	34,916	[7]
	<u>175,919</u>	<u>10.7</u>	<u>18,853</u>	<u>194,772</u>	
Co-op Recovery	10,033		1,026	11,059	
Student Services Fee	6,465		814	7,279	
Research Overhead	6,263		1,047	7,310	
Interest	7,500		(1,500)	6,000	
Services to Colleges	2,124		145	2,269	
Grant in lieu of Taxes	1,909			1,909	
Miscellaneous Income	8,276		400	8,676	
	<u>42,570</u>	<u>4.5</u>	<u>1,932</u>	<u>44,502</u>	
Total Income	<u><u>407,346</u></u>	<u><u>5.7</u></u>	<u><u>23,286</u></u>	<u><u>430,632</u></u>	

NOTES TO 2009/10 OPERATING INCOME

- [1] Undergraduate growth funding up to 2004/05, graduate growth funding up to 2007/08, tuition compensation grant, quality assurance fund, and unfunded BIUs paid to 2007/08 have been rolled into the basic grant.
- [2] The allocation is based on projected Fall 2009 FTE growth over the Fall 2007 FTE base.
- [3] The allocation is based on Waterloo's estimated 2008/09 share of the \$116M to be allocated in 2008/09. No additional funding has been announced for 2009/10.
- [4] The 2009/10 allocation is the same as the 2008/09 estimated allocation.
- [5] The residual amount that has not yet been rolled into the basic grant.
- [6] Tuition rate increases were applied in accordance with the Ministry of Training, Colleges and Universities guidelines. Rate increases vary by program and year-level with an average increase of 4.5% in Arts & Science and 8% in professional programs. International rates increased by 3%.
- [7] Nominal domestic and international tuition rates increased by 3%. The overall average rate increase for domestic students is 3.2% and is a blended rate resulting from increases in recent years.

UNIVERSITY OF WATERLOO
2009/10 Operating Expense Budget

BOG 2009-04-07

	2008/09 Base 09-02-03 \$000	Estimated % Incr (Decr)	\$ Incr (Decr) \$000	2009/10 Base \$000	2009/10 One-Time \$000	2009/10 Total \$000	% of Income	Notes
EXPENSES								
Salary and Wages								
Current salaries and wages	242,926			242,926		242,926	56.5	
Secondments	343			343		343	0.1	
Salary savings from faculty retirements/terminations			(750)	(750)		(750)	(0.2)	
Conversion costs			300	300		300	0.1	
Salary increases			11,663	11,663		11,663	2.7	
Total salary and wages	243,269	4.6	11,213	254,482		254,482	59.2	[1]
Benefits								
Current benefits	48,245			48,245		48,245	11.2	
Benefit cost increase			3,370	3,370		3,370	0.8	[2]
Maternity leave supplement	350		511	861		861	0.2	
Faculty professional expense reimbursement plan	1,401		32	1,433		1,433	0.3	
Total benefits	49,996	7.8	3,913	53,909		53,909	12.5	
Total salaries and benefits	293,265	5.2	15,126	308,391		308,391	71.7	
Student Support								
Graduate student support	4,478		1,200	5,678		5,678	1.3	
Graduate incentive fund	401			401		401	0.1	
Support for international graduate students	3,780		565	4,345		4,345	1.0	
Senate matching scholarships	160			160		160		
Tuition set aside	13,198		638	13,836		13,836	3.3	
Undergraduate scholarships/bursaries	3,315		2,717	6,032		6,032	1.4	
Total student support	25,332	20.2	5,120	30,452		30,452	7.1	
Income Sharing								
Differential tuition	103		1,653	1,756		1,756	0.4	
Graduate growth	1,546		(466)	1,080	1,916	2,996	0.7	
Graduate international growth	0		437	437		437	0.1	
Undergraduate enrolment expansion	0		2,989	2,989		2,989	0.7	
International tuition	0		1,480	1,480		1,480	0.3	
Total income sharing	1,649		6,093	7,742	1,916	9,658	2.2	[3]
Sub-total	320,246	8.2	26,339	346,585	1,916	348,501	81.0	

UNIVERSITY OF WATERLOO
2009/10 Operating Expense Budget

BOG 2009-04-07

	2008/09 Base 09-02-03 \$000	Estimated % Incr (Decr)	\$ Incr (Decr) \$000	2009/10 Base \$000	2009/10 One-Time \$000	2009/10 Total \$000	% of Income	Notes
Academic development fund	1,297			1,297		1,297	0.3	
Access for disabled	589			589		589	0.1	
Base budget adjustment to reflect overhead costs	2,817		858	3,675		3,675	0.9	
Contingency reserve	1,000			1,000		1,000	0.2	
Cooperative academic enhancement	1,000			1,000		1,000	0.2	
Faculty recruitment and retention	1,635			1,635		1,635	0.4	
Insurance	1,441			1,441		1,441	0.3	
Internal financing	449			449		449	0.1	
International fund	958		318	1,276		1,276	0.3	
Interuniversity service teaching	457			457		457	0.1	
Learning infrastructure	1,000			1,000		1,000	0.2	
Leased accommodations	430		(94)	336		336	0.1	
Library acquisitions	6,619		400	7,019		7,019	1.7	
Municipal taxes	1,909			1,909		1,909	0.4	
New initiatives	800			800		800	0.2	
Quality assurance fund	2,653			2,653		2,653	0.6	
Quality improvement fund	750		(26)	724		724	0.2	
Special project fund	550			550		550	0.1	
Utilities	12,040		360	12,400		12,400	2.9	
Sub-total	38,394	4.7	1,816	40,210		40,210	9.3	
Supplies and expenses	58,166		7,431	65,597		65,597	15.2	[4]
Expenditure reduction at 3%			(7,675)	(7,675)		(7,675)	(1.8)	[5]
Gross expenses	416,806	6.7	27,911	444,717	1,916	446,633	103.7	

UNIVERSITY OF WATERLOO
2009/10 Operating Expense Budget

BOG 2009-04-07

	2008/09 Base 09-02-03 \$000	Estimated % Incr (Decr)	\$ Incr (Decr) \$000	2009/10 Base \$000	2009/10 One-Time \$000	2009/10 Total \$000	% of Income	Notes
Total gross expenses carried fwd	416,806	6.7	27,911	444,717	1,916	446,633	103.7	
Cost recoveries and chargeouts	(10,575)			(10,575)		(10,575)	(2.5)	
Manageable allowance	(500)			(500)		(500)	(0.1)	
Estimated net expenses	<u>405,731</u>	<u>6.9</u>	<u>27,911</u>	<u>433,642</u>	<u>1,916</u>	<u>435,558</u>	<u>101.1</u>	
Estimated income						<u>430,632</u>		
Excess income over expenses before 2008/09 one-time funding						(4,926)		
One-time graduate growth funding to be received in 2008/09						<u>2,500</u>		
Excess income over expenses after one-time funding						<u>(2,426)</u>		

SUMMARY OF FUND BALANCE

Estimated fund balance at April 30, 2009	4,594
Add: Excess income over expenses	<u>(2,426)</u>
	<u>2,168</u>

NOTES TO THE 2009/10 OPERATING EXPENSE BUDGET

- [1] The increase to salary and wages includes estimated salary increase costs, ongoing clawback savings on faculty terminations/retirements, net of estimated over F costs, and some smaller salary adjustments.
- [2] Benefit cost increases include estimated increases in employer contributions for extended health, dental coverage, life insurance, CPP, costs for new faculty and staff, and costs associated with salary increases, including pension plan contributions. University pension plan contributions for faculty and staff are approximately 9% of pensionable salary costs which contributes to an overall benefit increase that exceeds the average salary increase.
- [3] The ongoing income sharing balances represent additional amounts available in 2009/10 for distribution. Income sharing for existing programs is allocated to the Faculties on a slip-year basis. Funding for new programs is allocated on a calendar-year basis. New graduate growth allocations were introduced in 2005/06 to recognize growth in intake and overall FTEs. The ongoing cumulative income sharing amounts, including additional amounts for 2009/10, from inception to date, are as follows:

Differential tuition	\$12,255
Graduate expansion (ended 2004/05)	2,727
Graduate growth (started 2005/06)	9,157
Graduate international growth	923
Undergraduate enrolment expansion	21,763
International tuition	<u>15,188</u>
Total	<u>\$62,013</u>

To accommodate growth, academic support units receive supplemental budget increases.

- [4] Increase in supplies and expenses includes the following: an allocation of \$1.4M for emerging programs; transfer of income sharing funds of \$1.6M to non-salary accounts; \$.8M for maintenance of new building construction; \$2.3M of other income sharing items and other miscellaneous items.
- [5] A 3.0% expenditure reduction applies to 65% of the operating budget and is allocated across all academic and academic support units resulting in a savings of \$7.7M.

University of Waterloo Senate Finance Committee
2009-2010 Operating Budget
Supplementary Data

Fall Year One Enrolments and Targets.....	SD1 †
Summary of FTE Undergraduate Enrolment.....	SD2 †
Summary of FTEs Graduate Enrolment	SD3
Historical and Projected BIU Teaching Units by Faculty	SD4 †
Summary of Home Enrolment and Teaching Activity Indicators	SD7
Comparison of Current Budget and BIU Teaching Units.....	SD9
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Summary of Regular Faculty Appointments	SD11
Faculty Complement by Department	SD12
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Glossary of Terms.....	SD17

Major Changes in 2009-10:

A more detailed break-out by program is now displayed in SD1.

Notes:

† The table includes data for the UW Colleges.

Throughout the tables the symbol ° is used to identify terms defined in the Glossary.

Prepared by: Institutional Analysis & Planning - March 10, 2009

University of Waterloo
Fall Year One Enrolments* and Targets*
as at February 2009 (Including University Colleges)

SD1

		Fall 2005	Fall 2006	Fall 2007	Fall 2008	Fall 2008	Fall 2009	
		Actual	Actual	Actual	Target	Actual	Target	
Applied Health Sciences								
Co-op	Health Studies	40	83	61	60	57	56	
	Kinesiology	120	141	135	116	134	134	
	Recreation & Leisure St	64	63	50	48	65	65	
		224	287	246	224	256	255	
Regular	Health Studies	54	57	51	47	51	51	
	Kinesiology	65	68	41	63	52	52	
	Recreation & Leisure St	45	41	26	35	22	22	
		164	166	118	145	125	125	
		388	453	364	369	381	380	
Arts								
Co-op	Accounting & Financial Mgmt	232	183	208	235	289	300	
	Arts and Business	314	292	371	302	286	286	
		546	475	579	537	575	586	
Regular	Arts	781	653	626	700	703	695	
	Arts and Business	99	88	84	80	78	77	
	Independent Studies	10	6	2	9	1	9	
	Social Development	55	53	71	58	73	70	
		945	800	783	847	855	851	
		1,491	1,275	1,362	1,384	1,430	1,437	
Computing & Financial Mgmt								
Co-op	Computing & Fin Management		44	37	42	39	42	
			44	37	42	39	42	
			44	37	42	39	42	
Engineering								
Co-op	Architecture	69	88	66	74	83	76	
	Chemical Engineering	125	133	131	133	132	132	
	Civil Engineering	97	122	103	101	112	106	
	Computer Engineering	117	137	117	127	132	127	
	Electrical Engineering	205	215	214	210	227	211	
	Environmental Engineering	40	44	37	41	50	50	
	Geological Engineering	20	17	24	17	18	17	
	Management Sciences			81	61	67	62	
	Mechanical Engineering	184	196	187	193	194	198	
	Mechatronics	117	111	113	110	123	110	
	Nanotechnology Engineering	107	112	109	110	109	111	
	Systems Design	86	86	82	92	95	94	
			1,167	1,261	1,264	1,269	1,342	1,294
			1,167	1,261	1,264	1,269	1,342	1,294

Notes:

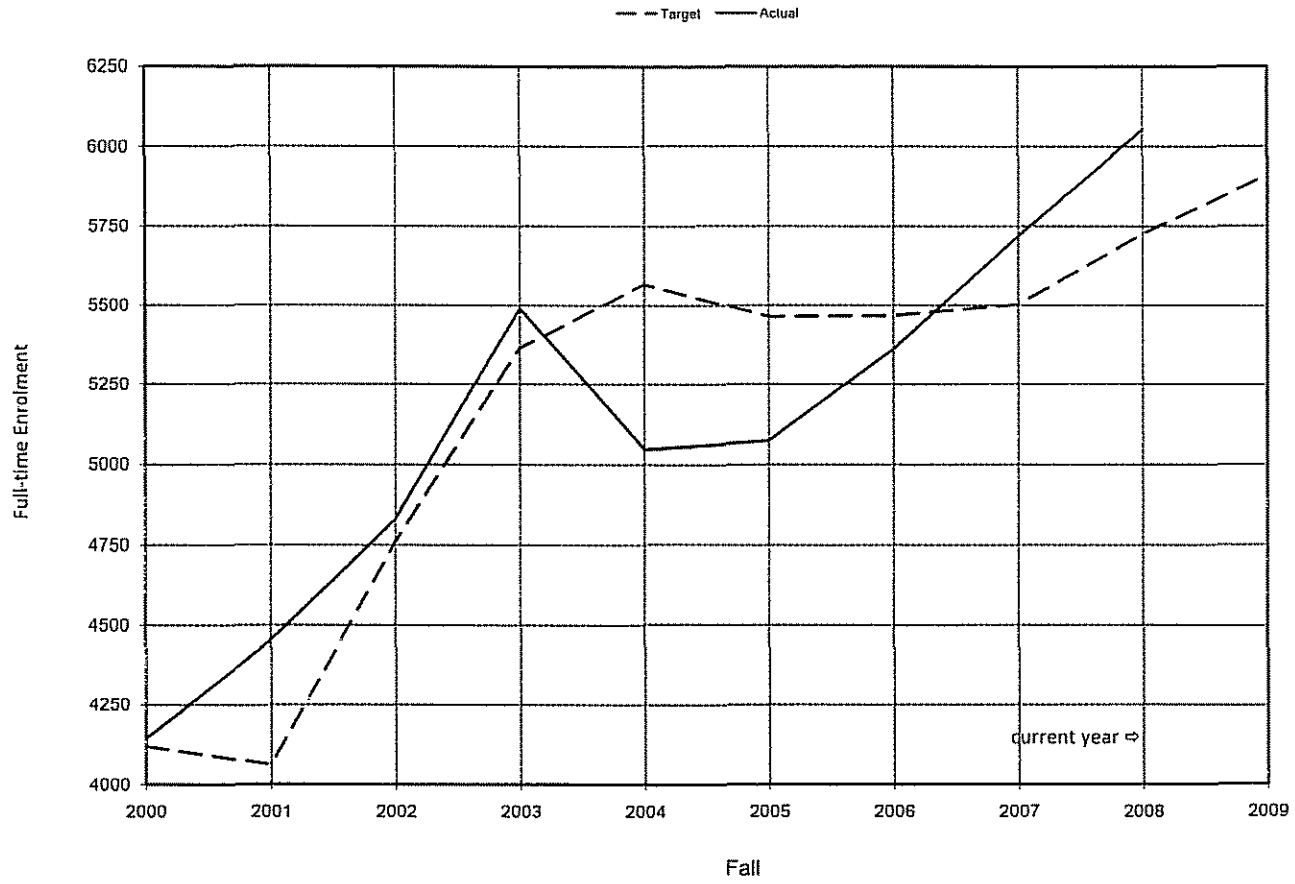
The report includes full-time 1A and 1B students registered in the fall term only. Students admitted in the winter and spring, ESL students and new admits to non-degree are excluded. University College students are included in the Faculties of Arts and Mathematics. Bachelor of Social Work, Optometry and Pharmacy are excluded as they are 2nd entry programs.

Totals may not add due to rounding.

* Term is defined in Glossary.

		Fall 2005	Fall 2006	Fall 2007	Fall 2008	Fall 2008	Fall 2009
		Actual	Actual	Actual	Target	Actual	Target
Environment							
Co-op	Env & Resource Studies	51	62	72	64	83	80
	Environmental St. & Business	50	38	81	91	98	100
	Geography	40	37	39	56	57	56
	Geomatics			17	15	15	22
	Urban&Regional Planning	56	44	52	46	56	60
		197	181	261	272	309	318
Regular	Env & Resource Studies	24	25	38	30	25	25
	Geography	21	17	49	78	44	49
	Geomatics			4	6	6	8
	Integrated Studies				40	32	40
	International Development					40	80
	Urban&Regional Planning	40	51	52	49	59	40
		85	93	143	203	206	242
		282	274	404	475	515	560
Mathematics							
Co-op	Business	84	63	62	60	70	60
	Chartered Accountancy	57	80	62	55	59	55
	Computer Science	219	256	287	332	356	332
	Fin. Analysis & Risk Mgmt					62	50
	Mathematics	261	306	409	387	439	339
		621	705	820	834	986	836
Regular	Computer Science	87	96	94	107	107	111
	Fin. Analysis & Risk Mgmt					35	20
	Mathematics	250	262	251	251	269	231
		337	358	345	358	411	362
		958	1,063	1,165	1,192	1,397	1,198
Science							
Co-op	Chartered Accountancy	6	19	12	10	13	10
	Life Sciences	138	182	188	175	177	175
	Physical Sciences	59	62	66	72	67	70
	Science	23	26	22	25	37	25
	Science & Business	48	80	96	80	78	100
		274	369	384	362	372	380
Regular	Life Sciences	197	258	305	252	238	255
	Physical Sciences	21	26	14	26	20	27
	Science	169	198	297	223	199	226
	Science & Business	7	13	13	21	2	
		394	495	629	522	459	508
		668	864	1,013	884	831	888
Software Engineering							
Co-op	Software Engineering	109	120	110	112	118	112
		109	120	110	112	118	112
		109	120	110	112	118	112
Total Fall Year One							
Co-op		3,138	3,442	3,701	3,652	3,997	3,823
Regular		1,925	1,912	2,018	2,075	2,056	2,088
		5,063	5,354	5,719	5,727	6,053	5,911

University of Waterloo Fall Year One Enrolments° and Targets°



Source: Undergraduate Forecast - Institutional Analysis & Planning
Prepared by: Institutional Analysis & Planning

University of Waterloo
Summary of Undergraduate FTEs*
 as at February 2009 (Including University Colleges)

	05.06 Actual	06.07 Actual	07.08 Actual	08.09 Forecast	08.09 Actual	09.10 Forecast
Full-Time						
Regular						
Applied Health Sciences	963	964	845	813	823	772
Arts	5,223	5,170	5,022	4,853	4,879	4,872
Engineering	197	209	236	212	231	212
Environment	614	582	586	678	662	803
Interdisciplinary Studies	4					
Mathematics	1,939	1,966	1,957	1,976	2,091	2,153
Renison	62	92	88	93	107	102
Science	2,505	2,646	2,746	2,754	2,731	2,712
	11,507	11,629	11,480	11,379	11,524	11,626
Co-op						
Applied Health Sciences	589	650	653	603	690	659
Arts	1,166	1,187	1,321	1,320	1,398	1,454
Computing & Financial M		42	49	79	72	84
Engineering	3,661	3,946	4,108	4,143	4,207	4,377
Environment	530	541	656	675	745	787
Mathematics	2,484	2,520	2,600	2,790	2,845	2,899
Science	805	881	994	974	1,064	1,099
Software Engineering	369	365	346	341	346	369
	9,604	10,132	10,727	10,925	11,367	11,728
Part-Time						
On-Campus	399	411	440	388	422	399
Distance Education	679	646	585	614	517	600
Faculties	1,078	1,057	1,025	1,002	939	999
Applied Health Sciences	1,552	1,614	1,498	1,415	1,514	1,430
Arts	6,389	6,356	6,343	6,173	6,277	6,326
Computing & Financial M		42	49	79	72	84
Engineering	3,859	4,154	4,344	4,355	4,439	4,589
Environment	1,144	1,124	1,242	1,353	1,407	1,590
Interdisciplinary Studies	4					
Mathematics	4,423	4,485	4,557	4,767	4,936	5,052
Renison	62	92	88	93	107	102
Science	3,310	3,527	3,741	3,728	3,795	3,810
Software Engineering	369	365	346	341	346	369
	21,112	21,759	22,208	22,304	22,893	23,352

Notes:

Monitoring of the accuracy of the undergraduate forecast over the past decade indicates that the forecast underestimates enrolment by about 1.5%. Adjusted 09/10 enrolments are: Total 23,702. Co-op 11,902. Part-Time 1,014. Income projections are similarly adjusted.
 Renison data are Bachelor of Social Work.

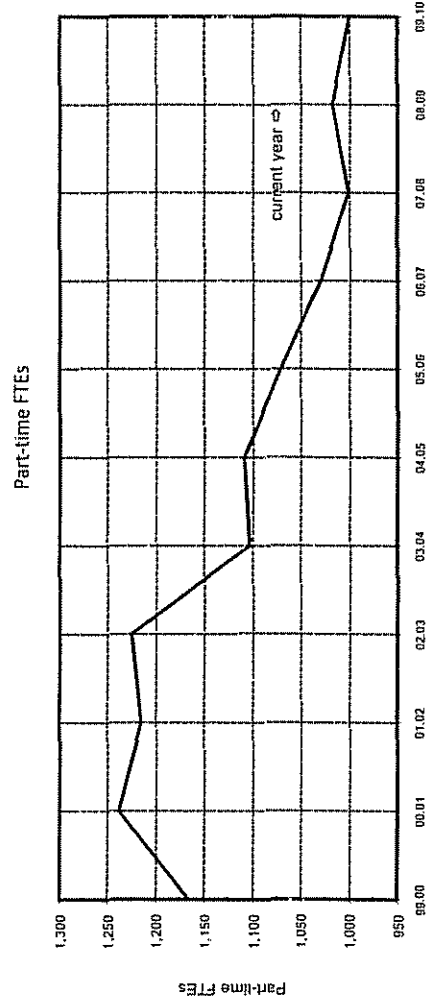
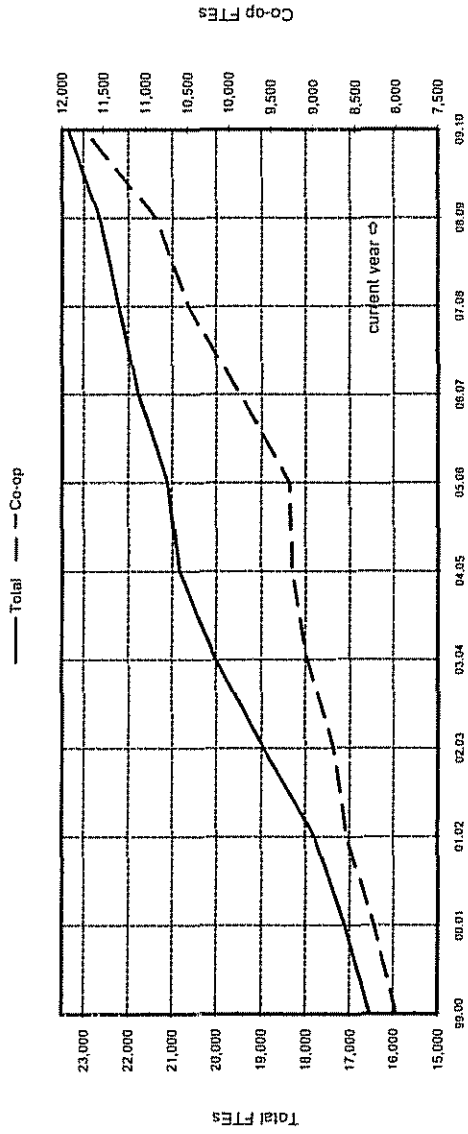
Totals may not add due to rounding.

* Term is defined in Glossary.

Source: Undergraduate Forecast - Institutional Analysis & Planning

Prepared by: Institutional Analysis & Planning

University of Waterloo
 Summary of Undergraduate FTEs*
 Undergraduate Enrollment



Source: Undergraduate Forecast - Institutional Analysis & Planning
 Prepared by: Institutional Analysis & Planning

University of Waterloo
 Summary of FTE Graduate Enrolment^o
 as at February 2009 (Including University Colleges)

	05.06 Actuals	06.07 Actuals	07.08 Actuals	08.09 Forecast	08.09 Prelim	09.10 Forecast
Master's						
Applied Health Sciences	53	75	132	172	171	182
Arts	267	263	317	384	351	399
Engineering	516	535	638	690	774	835
Environment	97	115	143	161	169	164
Mathematics	214	214	219	243	242	287
Optometry	18	16	17	24	17	12
Science	170	178	199	203	193	195
Theology	0	14	13	13	14	14
Total	1,334	1,409	1,679	1,890	1,931	2,087
Doctoral						
Applied Health Sciences	63	74	78	78	84	89
Arts	127	143	180	210	208	221
Engineering	424	473	513	550	540	582
Environment	42	47	52	55	64	72
Mathematics	213	239	249	245	251	255
Optometry	19	19	21	18	21	15
Science	189	190	234	248	245	251
Total	1,078	1,186	1,328	1,404	1,413	1,484
Grand Total	2,412	2,595	3,007	3,294	3,344	3,572

Notes:

Graduate FTE enrolment in 2008.09 increased by 11.2% and is projected to increase 6.8% in 2009.2010.

In 2005.06 Architecture moved from Environment to Engineering. In 2006.07 the Centre for Business, Entrepreneurship and Technology moved to Engineering. Historical data are restated.

Master's enrolment includes non-degree, diploma, certificate programs and Year 1 of 3-Year PhD.

Doctoral enrolment includes students in year two and beyond of 3-year PhD programs.

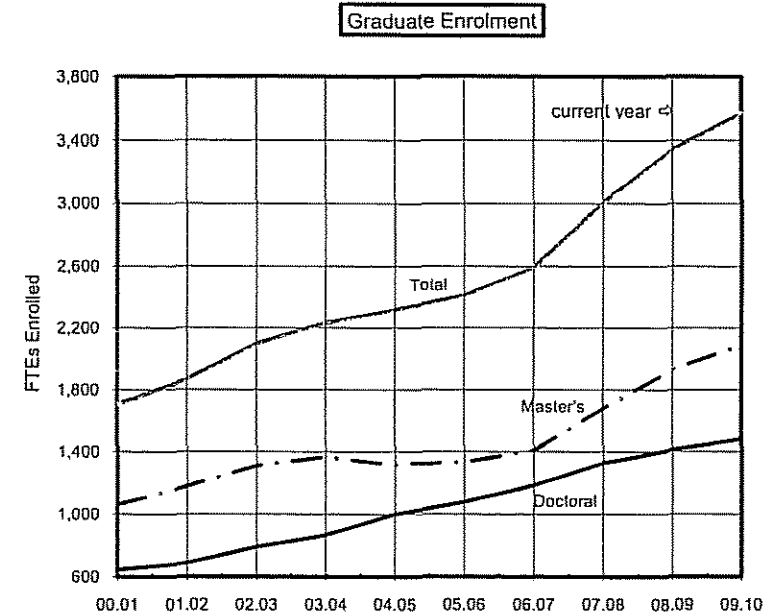
Students enrolled in the former full-cost recovery Masters programs are included and actual historical data are restated.

Totals may not add due to rounding.

^o Term is defined in the Glossary.

Source: Graduate Forecast - Institutional Analysis & Planning

Prepared by: Institutional Analysis & Planning



University of Waterloo
Historical and Projected BIU Teaching Units°
by Faculty (Including University Colleges)

Total BTUs									Prelim	Projected
	00.01	01.02	02.03	03.04	04.05	05.06	06.07	07.08	08.09	09.10
Appl. Hlth. Sci.	1,422	1,346	1,395	1,591	1,783	1,945	2,059	2,242	2,441	2,389
Arts	9,104	9,677	10,370	10,699	11,118	11,267	11,846	12,213	12,525	12,823
Engineering	7,131	7,542	7,765	8,092	8,413	8,854	9,765	10,886	11,537	12,107
Environment	1,650	1,644	1,877	1,809	1,921	1,971	2,137	2,282	2,581	2,910
Mathematics	6,216	7,038	7,464	7,819	8,192	8,025	8,093	8,193	8,412	9,032
Science	5,249	5,277	5,742	6,360	6,651	6,796	7,125	7,439	7,812	7,899
Social Work (BSW)	63	65	68	68	73	96	135	129	168	157
Theology	0	0	0	0	0	0	17	33	42	33
Total	30,836	32,590	34,681	36,438	38,152	38,955	41,177	43,416	45,518	47,350

Undergraduate BTUs									Year One Enrolment°				
	00.01	01.02	02.03	03.04	04.05	05.06	06.07	07.08	Prelim	Projected	Actual	Actual	Target° F09
									08.09	09.10	Fall 07	Fall 08	& beyond
Appl. Hlth. Sci.	1,124	1,054	1,080	1,206	1,345	1,487	1,482	1,433	1,485	1,393	364	381	380
Arts	7,953	8,549	9,235	9,697	10,228	10,330	10,628	10,546	10,628	10,813	1,381	1,450	1,458
Engineering	5,432	5,402	5,373	5,520	5,923	6,294	6,889	7,543	7,796	8,042	1,319	1,401	1,350
Environment	1,155	1,165	1,417	1,385	1,461	1,526	1,604	1,596	1,741	2,092	404	515	560
Mathematics	5,442	6,156	6,435	6,752	7,133	6,916	6,971	6,977	7,101	7,655	1,239	1,476	1,275
Science	4,287	4,255	4,641	5,238	5,530	5,630	5,928	6,050	6,418	6,493	1,013	831	888
Social Work (BSW)	63	65	68	68	73	96	135	129	168	157			
Total	25,455	26,645	28,248	29,866	31,693	32,279	33,637	34,272	35,336	36,645	5,719	6,053	5,911

Graduate BIUs											Estimated		
	00.01	01.02	02.03	03.04	04.05	05.06	06.07	07.08	Prelim	Projected	% Change	% Change	% Change
									08.09	09.10	in 07.08	in 08.09	in 09.10
Appl. Hlth. Sci.	298	293	315	385	438	458	577	809	955	997	40.3%	18.1%	4.3%
Arts	1,152	1,128	1,135	1,002	891	937	1,218	1,667	1,897	2,010	36.8%	13.8%	5.9%
Engineering	1,699	2,140	2,392	2,572	2,490	2,560	2,877	3,343	3,741	4,065	16.2%	11.9%	8.6%
Environment	495	480	460	423	459	445	533	686	840	817	28.7%	22.5%	-2.7%
Mathematics	774	881	1,030	1,068	1,060	1,109	1,122	1,216	1,311	1,377	8.4%	7.8%	5.1%
Science	963	1,022	1,101	1,121	1,121	1,167	1,197	1,389	1,395	1,406	16.1%	0.4%	0.8%
Theology	0	0	0	0	0	0	17	33	42	33		26.8%	-23.2%
Total	5,381	5,945	6,433	6,572	6,459	6,676	7,541	9,144	10,182	10,704	21.3%	11.4%	5.1%

Actual BTUs are based on undergraduate courses taught and graduate enrolments. 2008.09 BTUs are based on estimated 2008.09 undergraduate courses taught and final graduate enrolment data. Projected BTUs are based on forecasted enrolments and historical BTUs generated per FTE registered.

Fall year one enrolment excludes new year one admits for winter and spring, ESL students, new admits to non-degree programs and students admitted to second-entry programs.

Undergraduate BTUs in Computing and Financial Management and Software Engineering are credited to the Faculty instructing the students.

In 2005.06, Architecture moved from Environment to Engineering, and Independent Studies and Interdisciplinary Studies moved to Arts. In 2006.07 the Centre for Business, Entrepreneurship and Technology moved to Engineering. Historical data are restated.

Graduate BIUs include students in the former full-cost recovery programs and exclude ineligible international students.

Social Work (BSW) and Theology are included in the report in order to incorporate all programs at the University Colleges.

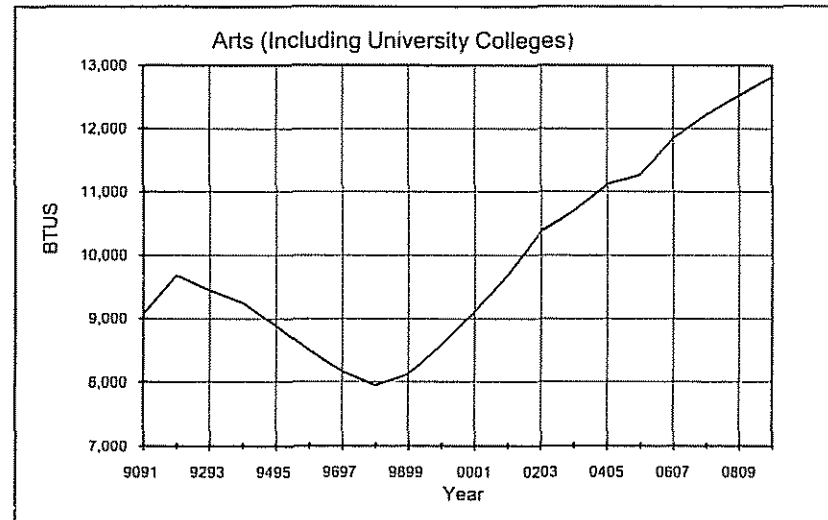
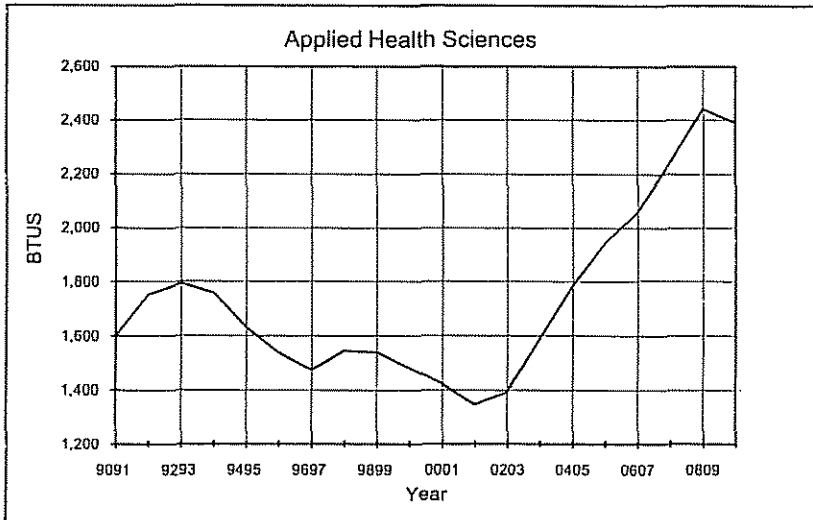
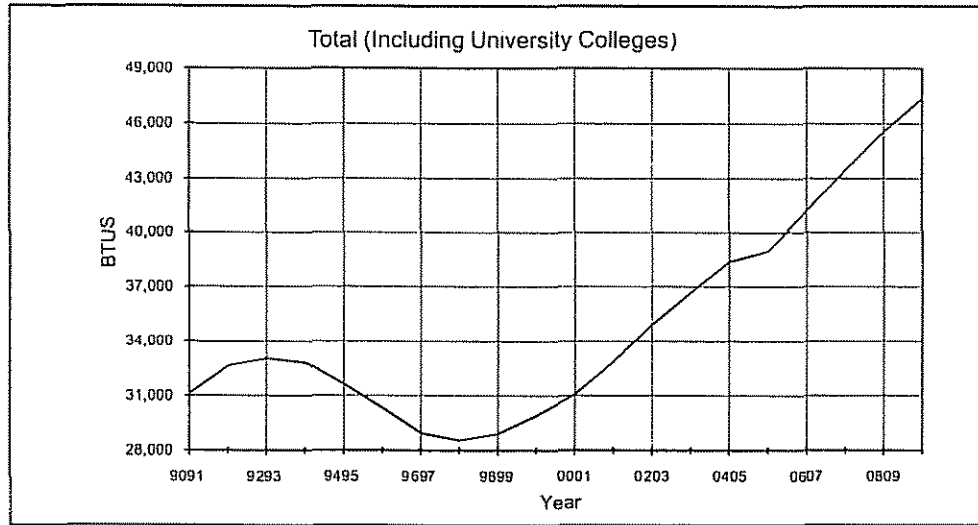
Totals may not add due to rounding.

Sources: Undergraduate and Graduate Forecasts, BTU Table - Institutional Analysis & Planning

Prepared by: Institutional Analysis & Planning

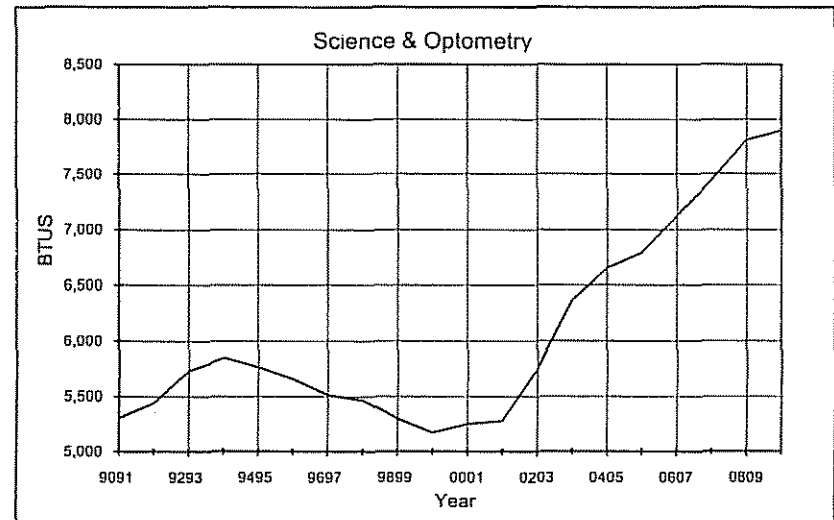
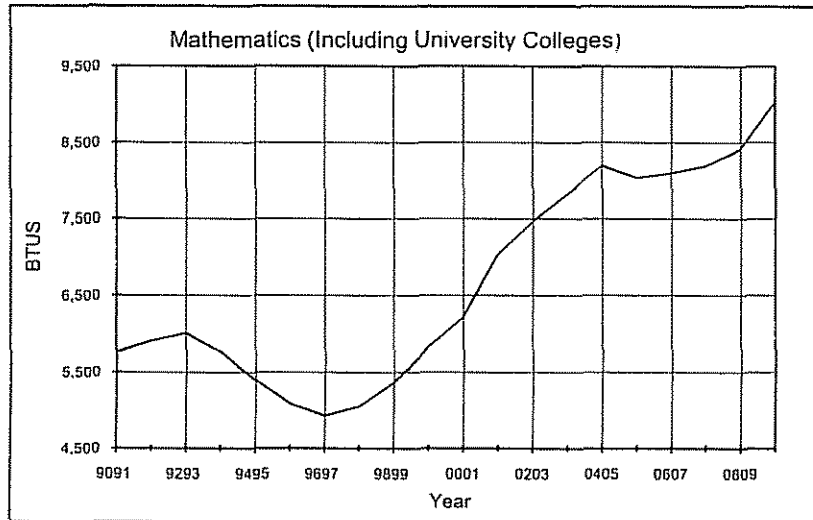
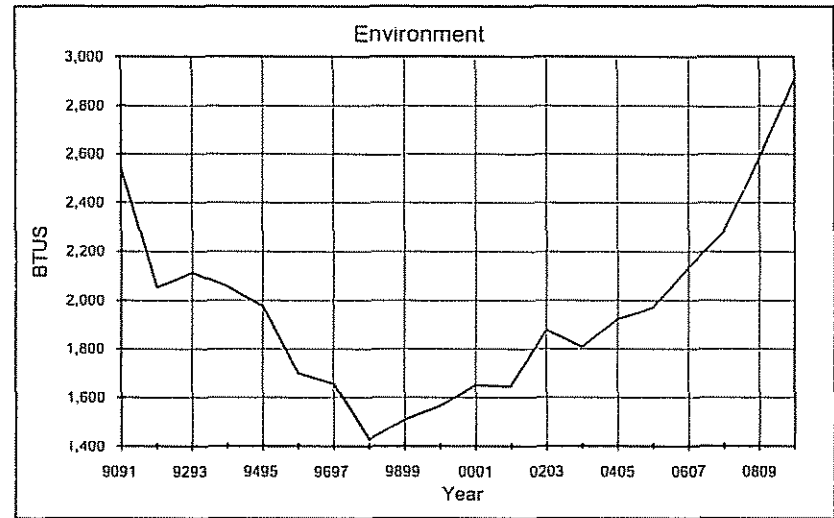
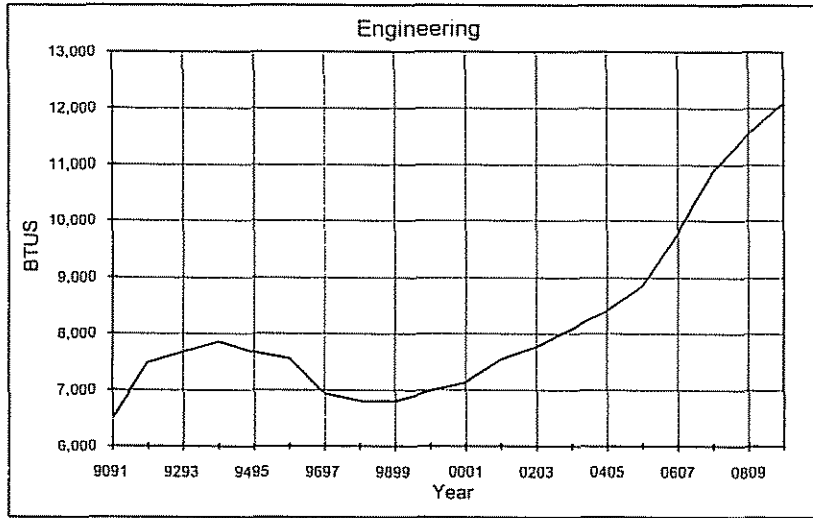
University of Waterloo
 Historical and Projected BIU Teaching Units
 February 2009

SDS



2008.09 BTUs are based on estimated 2008.09 undergraduate courses taught and final graduate enrolment. 2009.10 BTUs are based on projected enrolments. Undergraduate BTUs in Computing and Financial Management and Software Engineering are credited to the Faculty instructing the students. Graduate BTUs include students in the former full-cost recovery programs and exclude ineligible international students. In 2005.06 Independent Studies and Interdisciplinary Studies moved to Arts. Historical data are restated.

University of Waterloo
 Historical and Projected BIU Teaching Units
 February 2009



2008.09 BTUs are based on estimated 2008.09 undergraduate courses taught and final graduate enrolment. 2009.10 BTUs are based on projected enrolments. Undergraduate BTUs in Computing and Financial Management and Software Engineering are credited to the Faculty instructing the students. Graduate BTUs include students in the former full-cost recovery programs and exclude ineligible international students. In 2005.06 Architecture moved from Environment to Engineering. In 2006.07 the Centre for Business, Entrepreneurship and Technology moved to Engineering. Historical data are restated.

University of Waterloo
Summary of Home Enrolment And Teaching Activity Indicators
 by Faculty (Excluding UW Colleges)

		2004.05	2005.06	2006.07	2007.08	2008.09
Applied Health Studies						
Undergraduate	Fall Year One	391	388	453	364	381
	Home Enrolled FTEs*	1,476	1,552	1,614	1,498	1,514
	FTEs Taught*	884	996	1,005	981	1,016
Masters FTEs*		56	53	75	132	171
Doctoral FTEs*		52	63	74	78	84
BIU Teaching Units*		1,783	1,945	2,059	2,242	2,441
Arts						
Undergraduate	Fall Year One	1,203	1,264	1,120	1,192	1,262
	Home Enrolled FTEs	5,012	5,240	5,286	5,337	5,319
	FTEs Taught	6,711	6,677	6,980	7,050	7,091
Masters FTEs		263	267	263	317	351
Doctoral FTEs		121	127	143	180	208
BIU Teaching Units		8,715	8,719	9,299	9,797	10,104
Engineering						
Undergraduate	Fall Year One	1,175	1,222	1,321	1,319	1,401
	Home Enrolled FTEs	3,926	4,043	4,337	4,517	4,611
	FTEs Taught	2,985	3,183	3,500	3,845	3,968
Masters FTEs		503	516	535	638	774
Doctoral FTEs		372	424	473	513	540
BIU Teaching Units*		8,413	8,854	9,765	10,886	11,537
Environment						
Undergraduate	Fall Year One	270	282	274	404	515
	Home Enrolled FTEs	1,108	1,144	1,124	1,243	1,407
	FTEs Taught	911	943	984	1,029	1,142
Masters FTEs		97	97	115	143	169
Doctoral FTEs		39	42	47	52	64
BIU Teaching Units		1,921	1,971	2,137	2,282	2,581
Mathematics						
Undergraduate	Fall Year One	941	935	1,081	1,178	1,413
	Home Enrolled FTEs	4,500	4,306	4,420	4,494	4,884
	FTEs Taught	4,203	4,059	4,192	4,257	4,502
Masters FTEs		215	214	214	219	242
Doctoral FTEs		210	213	239	249	251
BIU Teaching Units*		7,996	7,824	7,882	7,986	8,216

University of Waterloo
Summary of Home Enrolment And Teaching Activity Indicators
 by Faculty (Excluding UW Colleges)

		2004.05	2005.06	2006.07	2007.08	2008.09
Optometry						
Undergraduate	Fall Year One	0	0	0	0	0
	Home Enrolled FTEs	299	319	347	363	378
	FTEs Taught	304	324	350	365	384
Masters FTEs		20	18	16	17	17
Doctoral FTEs		17	18	19	21	21
BIU Teaching Units		997	1,055	1,126	1,191	1,237
Science, including Pharmacy						
Undergraduate	Fall Year One	746	668	864	1,013	831
	Home Enrolled FTEs	2,973	2,991	3,180	3,378	3,417
	FTEs Taught	2,782	2,782	2,986	3,073	3,194
Masters FTEs		164	170	178	199	193
Doctoral FTEs		192	189	190	234	245
BIU Teaching Units*		5,654	5,742	5,999	6,248	6,575
Total						
Undergraduate	Fall Year One	4,725	4,758	5,113	5,469	5,802
	Home Enrolled FTEs	19,293	19,596	20,308	20,829	21,529
	FTEs Taught	18,779	18,963	19,998	20,599	21,297
Masters FTEs		1,317	1,334	1,395	1,666	1,916
Doctoral FTEs		1,002	1,078	1,186	1,328	1,413
BIU Teaching Units		35,480	36,110	38,267	40,632	42,691

2008.09 BIU Teaching Units (BTUs) and FTEs Taught are based on estimated 2008.09 undergraduate courses taught and final graduate enrolment data. Graduate BIUs include students in the former full-cost recovery programs and exclude ineligible international students. Undergraduate BTUs and FTEs Taught in Computing and Financial Management and Software Engineering are credited to the Faculty instructing the students. Computing and Financial Management Fall Year One and Home Enrolled FTEs are shown equally in Math and Arts. Software Engineering Fall Year One and Home Enrolled FTEs are shown equally in Math and Engineering. In 2005.06 Architecture moved from Environment to Engineering and Independent Studies and Interdisciplinary Studies moved to Arts. In 2006.07 the Centre for Business, Entrepreneurship and Technology moved to Engineering. Historical BTUs have been restated.

Totals may not add due to rounding.

* Term is defined in the Glossary.

Sources: Various student databases - Institutional Analysis & Planning
 Prepared by: Institutional Analysis & Planning

University of Waterloo
Comparison of Current Budget^o and BIU Teaching Units^o
As of February 2009 (Excluding University Colleges)

	Applied Health Sciences	Arts	Engineering	Environment	Mathematics	Optometry	Science	Total
Budgets^o in \$000								
2004 05	7,249	25,924	33,284	6,964	29,900	4,124	19,659	127,105
2005 06	7,858	28,571	36,965	7,396	32,063	4,590	20,568	138,010
2006.07	8,968	30,767	42,144	7,850	33,768	5,177	22,515	151,188
2007 08	9,279	33,233	45,093	7,934	34,747	5,530	23,973	159,789
2008 09	9,390	37,165	51,180	8,231	36,205	5,862	25,904	173,938
Budgets in 2008.09 \$000								
2004 05	9,968	35,647	45,768	9,575	41,114	5,671	27,033	174,775
2005 06	9,873	35,900	46,448	9,293	40,288	5,768	25,844	173,415
2006.07	10,387	35,635	48,813	9,092	39,111	5,996	26,078	175,112
2007 08	10,018	35,879	48,683	8,565	37,513	5,970	25,881	172,509
2008 09	9,390	37,165	51,180	8,231	36,205	5,862	25,904	173,938
BIU Teaching Units (BTUs)^o								
2004 05	1,783	8,715	8,413	1,921	7,996	997	5,654	35,480
2005 06	1,945	8,719	8,854	1,971	7,824	1,055	5,742	36,110
2006.07	2,059	9,299	9,765	2,137	7,882	1,126	5,999	38,267
2007 08	2,242	9,797	10,886	2,282	7,986	1,191	6,248	40,632
2008 09	2,441	10,104	11,537	2,581	8,216	1,237	6,575	42,691
Budget \$ per BIU Teaching Unit								
2004 05	5,590	4,090	5,440	4,985	5,142	5,688	4,781	4,926
2005 06	5,077	4,117	5,246	4,714	5,149	5,469	4,501	4,802
2006.07	5,045	3,832	4,999	4,255	4,962	5,326	4,347	4,576
2007 08	4,468	3,662	4,472	3,754	4,697	5,014	4,142	4,246
2008 09	3,847	3,678	4,436	3,189	4,407	4,741	3,940	4,074
Budget \$ per BIU Teaching Unit Comparison of Faculties to UW Average								
2004 05	1.135	0.830	1.104	1.012	1.044	1.155	0.971	1.000
2005 06	1.057	0.857	1.092	0.982	1.072	1.139	0.937	1.000
2006.07	1.103	0.837	1.092	0.930	1.084	1.164	0.950	1.000
2007 08	1.052	0.863	1.053	0.884	1.106	1.181	0.976	1.000
2008 09	0.944	0.903	1.089	0.783	1.082	1.163	0.967	1.000

Notes:

2008 09 is the ongoing operating budget as reported to the Board of Governors in February 2009.
 Prior years' budget totals have been adjusted to 2008 09 levels based upon the changes in Total University Operating Income^o
 Graduate BIUs include students in the former full-cost recovery programs and exclude ineligible international students
 2008 09 BIU Teaching Units (BTUs) are based on estimated 2008 09 undergraduate courses taught and final graduate enrolment data
 Computing and Financial Management and Software Engineering are credited to the Faculty instructing the students.
 In 2005 06 Architecture moved from Environment to Engineering and Independent Studies and Interdisciplinary Studies moved to Arts
 In 2006 07 the Centre for Business, Entrepreneurship and Technology moved to Engineering.
 Historical data are restated.

^o Term is defined in the Glossary.

Comparison of BIU Teaching Units^o per FTE Faculty^o (Excluding University Colleges)

Year	Applied Health Sciences	Arts	Engineering	Environment	Mathematics	Optometry	Science	Total
FTE Faculty								
2003.04	42.0	211.4	195.5	45.4	168.8	30.5	103.8	797.6
2004.05	45.6	223.9	208.4	46.1	180.5	30.8	109.1	844.4
2005.06	49.4	230.1	216.9	48.6	189.9	31.3	112.8	879.0
2006.07	48.7	236.4	227.5	49.1	193.6	35.1	123.7	914.0
2007.08	49.3	252.8	243.6	50.4	191.1	37.1	131.0	955.3
BIU Teaching Units (BTUs)								
2003.04	1,591	8,303	8,092	1,809	7,622	921	5,439	33,775
2004.05	1,783	8,715	8,413	1,921	7,996	997	5,654	35,480
2005.06	1,945	8,719	8,854	1,971	7,824	1,055	5,742	36,110
2006.07	2,059	9,299	9,765	2,137	7,882	1,126	5,999	38,267
2007.08	2,242	9,797	10,886	2,282	7,986	1,191	6,248	40,632
Teaching Ratios (BTUs per FTE Faculty)								
2003.04	37.8	39.3	41.4	39.8	45.1	30.2	52.4	42.3
2004.05	39.1	38.9	40.4	41.7	44.3	32.4	51.8	42.0
2005.06	39.3	37.9	40.8	40.5	41.2	33.7	50.9	41.1
2006.07	42.3	39.3	42.9	43.5	40.7	32.1	48.5	41.9
2007.08	45.5	38.8	44.7	45.3	41.8	32.1	47.7	42.5
Faculty Teaching Ratios Compared with the UW Average								
2003.04	0.89	0.93	0.98	0.94	1.07	0.71	1.24	1.00
2004.05	0.93	0.93	0.96	0.99	1.05	0.77	1.23	1.00
2005.06	0.96	0.92	0.99	0.99	1.00	0.82	1.24	1.00
2006.07	1.01	0.94	1.02	1.04	0.97	0.77	1.16	1.00
2007.08	1.07	0.91	1.05	1.07	0.98	0.76	1.12	1.00

Notes:

Graduate BIUs include students in the former full-cost recovery programs and exclude ineligible international students.
 2008.09 BIU Teaching Units (BTUs) are based on estimated 2008.09 undergraduate courses taught and final graduate enrolment data.
 In 2005.06 Architecture moved from Environment to Engineering and Independent Studies and Interdisciplinary Studies moved to Arts.
 In 2006.07 the Centre for Business, Entrepreneurship and Technology moved to Engineering.
 Teaching ratios for Optometry are lower than for other departments due to the number of faculty required for clinical teaching.
 Clinical teaching requires student:faculty ratios of 2:1 or 3:1.

^o Term is defined in the Glossary.

Sources : UW Financial Statements, various years - Finance; FTE Faculty - Human Resources Mgmt System; BTU Table - Institutional Analysis & Planning
 Prepared by: Institutional Analysis & Planning

University of Waterloo
Summary of Regular Faculty Appointments (Excluding University Colleges)

	Number of Full-Time Faculty				Total	Percentage of Total Salary Dollars				Total Full-Time Faculty Salary Costs (000)	Average Nominal Salary
	Tenured	Probationary	Continuing	Definite		Tenured	Probationary	Continuing	Definite		
Applied Health Sciences											
2004/2005	32	16	1	2	51	71%	24%			\$ 4,836	\$ 94,826
2005/2006	32	15	3	2	52	71%	22%			\$ 5,095	\$ 97,990
2006/2007	33	13	3	1	50	75%	19%			\$ 5,183	\$ 103,660
2007/2008	30	18	3	1	52	67%	27%			\$ 5,506	\$ 105,881
2008/2009	30	18	2	3	53	67%	27%			\$ 5,794	\$ 109,328
Arts											
2004/2005	147	49	2	15	213	77%	18%	5%		\$ 20,286	\$ 95,238
2005/2006	153	46	2	15	216	78%	16%	5%		\$ 21,409	\$ 99,117
2006/2007	153	46	4	10	213	78%	17%	3%		\$ 22,172	\$ 104,093
2007/2008	151	63	5	12	231	73%	21%	4%		\$ 24,753	\$ 107,157
2008/2009	152	69	5	13	239	71%	23%	4%		\$ 26,743	\$ 111,897
Engineering											
2004/2005	144	54	3	10	211	74%	22%	3%		\$ 22,086	\$ 104,675
2005/2006	151	56	3	8	218	75%	22%	3%		\$ 24,005	\$ 110,113
2006/2007	155	58	4	12	229	73%	21%	4%		\$ 26,374	\$ 115,168
2007/2008	170	61	3	15	249	74%	21%	5%		\$ 29,964	\$ 120,337
2008/2009	171	70	3	17	261	72%	22%	5%		\$ 32,613	\$ 124,955
Environment											
2004/2005	36	10	0	0	46	85%	15%			\$ 4,478	\$ 97,353
2005/2006	34	11	0	1	46	82%	16%			\$ 4,567	\$ 99,285
2006/2007	35	10	0	0	45	85%	15%			\$ 4,663	\$ 103,618
2007/2008	34	11	0	2	47	80%	16%			\$ 4,915	\$ 104,568
2008/2009	35	15	0	4	54	74%	20%			\$ 5,731	\$ 106,124
Mathematics											
2004/2005	111	50	8	14	183	69%	22%	4%	5%	\$ 18,895	\$ 103,252
2005/2006	113	62	8	16	199	66%	26%	3%	5%	\$ 21,235	\$ 106,711
2006/2007	115	60	10	12	197	67%	25%	4%	4%	\$ 22,010	\$ 111,726
2007/2008	121	51	12	13	197	70%	21%	5%	4%	\$ 22,877	\$ 116,127
2008/2009	126	44	12	15	197	72%	18%	5%	5%	\$ 23,838	\$ 121,005
Optometry											
2004/2005	16	1	8	4	29	58%		28%		\$ 2,810	\$ 96,889
2005/2006	15	3	8	3	29	56%		29%		\$ 2,966	\$ 102,273
2006/2007	16	5	7	3	31	56%		23%		\$ 3,450	\$ 111,274
2007/2008	16	5	7	2	30	58%		23%		\$ 3,549	\$ 118,307
2008/2009	16	5	6	4	31	57%		19%		\$ 3,821	\$ 123,267
Science (excl. Optometry)											
2004/2005	80	24	3	10	117	76%	16%		6%	\$ 11,219	\$ 95,891
2005/2006	77	29	3	13	122	72%	19%		7%	\$ 11,978	\$ 98,182
2006/2007	81	32	2	12	127	71%	20%		7%	\$ 13,140	\$ 103,467
2007/2008	87	34	6	10	137	71%	20%	3%	6%	\$ 14,721	\$ 107,450
2008/2009	88	38	6	8	140	71%	21%	3%	4%	\$ 15,729	\$ 112,347
Total											
2004/2005	566	204	25	55	850	74%	19%	3%	5%	\$ 84,611	\$ 99,542
2005/2006	575	222	27	58	882	72%	20%	3%	5%	\$ 91,256	\$ 103,465
2006/2007	588	224	30	50	892	73%	20%	3%	4%	\$ 96,991	\$ 108,734
2007/2008	609	243	36	55	943	72%	21%	3%	4%	\$ 106,284	\$ 112,709
2008/2009	618	259	34	64	975	71%	21%	3%	5%	\$ 114,269	\$ 117,199

Notes:

Full-time faculty as at April 30 of the year. Includes Faculty Deans but excludes Dean of Graduate Studies.
 Excludes those on less than 100% load except leaves where the faculty member receives full salary. Excludes full-time senior administrators.
 In 2005/06 Architecture moved from Environment to Engineering and Independent Studies and Interdisciplinary Studies moved to Arts.
 In 2006/07 the Centre for Business, Entrepreneurship and Technology moved to Engineering.
 Percentage of total salary dollars figures have been suppressed where the count is less than 6 to ensure confidentiality.
 This summary differs from SD12 as this report does not include open positions but does include definite term appointments.

University of Waterloo
Faculty Complement by Department
(Including Open Positions)

	September 2004	September 2005	September 2006	September 2007	September 2008
Applied Health Sciences					
Health Studies & Gerontology	12.0	14.0	14.8	15.2	17.2
Kinesiology	19.0	19.0	19.0	19.0	19.0
Recreation & Leisure Studies	14.0	14.0	14.0	14.0	14.0
	<u>45.0</u>	<u>47.0</u>	<u>47.8</u>	<u>48.2</u>	<u>50.2</u>
Arts					
Accounting & Finance, School of	24.0	24.0	28.7	28.2	32.7
Anthropology	5.0	5.0	5.0	5.0	6.0
Classical Studies	6.0	6.0	6.0	6.0	7.0
Dean's Office	4.5	5.5	3.0	3.0	1.0
Drama & Speech Communication	7.0	8.0	10.0	10.5	14.8
Economics	23.0	24.0	25.0	26.5	28.1
English Language & Literature	20.0	22.0	22.0	22.0	22.0
Fine Arts	8.0	8.0	8.0	8.0	8.0
French Studies	9.0	9.0	9.0	9.0	9.0
Germanic & Slavic Studies	10.0	10.0	10.0	10.0	11.0
History	12.4	11.4	14.0	14.0	15.0
Philosophy	13.0	12.0	12.0	12.0	12.0
Political Science	12.6	13.6	14.0	16.0	16.4
Psychology	34.0	34.0	36.3	37.8	38.6
Religious Studies	1.0	1.0	1.0	1.0	1.0
Sociology	13.0	13.5	13.5	13.5	13.5
Spanish & Latin American Studies	4.0	4.0	4.0	4.0	4.0
	<u>206.5</u>	<u>211.0</u>	<u>221.5</u>	<u>226.5</u>	<u>240.1</u>
Engineering					
Architecture, School of *	17.0	17.0	19.0	19.0	19.0
CBET *	N/A	N/A	1.5	2.5	2.0
Chemical	26.0	26.0	26.0	28.0	32.0
Civil & Environmental	29.0	31.0	32.0	32.3	33.3
Dean's Office	4.0	4.0	4.0	4.0	4.0
Electrical & Computer	69.0	69.0	72.0	78.0	78.0
Management Sciences	16.0	16.0	17.0	17.3	19.3
Mechanical & Mechatronics	40.0	41.0	42.0	43.0	49.0
Systems Design	20.0	20.0	21.0	23.0	23.0
	<u>221.0</u>	<u>224.0</u>	<u>234.5</u>	<u>247.1</u>	<u>259.5</u>
Environment *					
Dean's Office	2.9	4.3	0.0	0.5	4.0
Environment & Resource Studies	10.0	10.0	12.5	12.5	13.0
Geography & Environmental Management *	17.5	17.1	22.5	22.5	21.0
Planning, School of	14.1	14.1	14.5	15.0	15.0
	<u>44.5</u>	<u>45.5</u>	<u>49.5</u>	<u>50.5</u>	<u>53.1</u>
Mathematics					
Applied Mathematics	21.5	23.5	23.5	23.5	23.5
Combinatorics & Optimization	23.0	25.0	27.0	28.0	28.0
Computer Science, David R. Cheriton School of	66.0	68.0	70.0	70.0	71.0
Dean's Office	7.0	7.0	7.0	7.0	7.0
Pure Mathematics	21.0	21.0	21.0	21.0	21.0
Statistics & Actuarial Science	31.0	33.0	36.5	38.5	39.5
	<u>169.5</u>	<u>177.5</u>	<u>185.0</u>	<u>188.0</u>	<u>190.0</u>
Science					
Biology	32.0	32.0	34.0	34.5	34.5
Chemistry	31.0	31.5	34.6	35.6	35.6
Earth & Environmental Sciences	17.0	17.0	18.0	18.0	18.0
Optometry, School of	26.0	27.0	29.0	29.0	29.0
Pharmacy, School of *	N/A	0.0	2.0	6.0	9.0
Physics & Astronomy	28.0	28.0	30.0	31.5	32.5
	<u>134.0</u>	<u>135.5</u>	<u>147.6</u>	<u>154.6</u>	<u>158.6</u>
Total Faculty Complement	<u>820.5</u>	<u>840.5</u>	<u>885.9</u>	<u>914.9</u>	<u>951.5</u>

* Significant changes:

2008/09

Effective 2008 Faculty of Environmental Studies became Faculty of Environment

Effective 2008 Geography became Geography & Environmental Management

2006/07

Effective May 2006 CBET transferred to the Faculty of Engineering

2005/06

Effective May 2005 the School of Architecture transferred from Environmental Studies to Engineering

Effective January 2005 the School of Pharmacy was established

University of Waterloo
Academic Support Staff Positions by Department
(Including Open Positions)

	October 2004	October 2005	October 2006	October 2007	October 2008
Faculties					
Applied Health Sciences	31.5	32.2	34.7	35.7	35.6
Arts	82.8	84.3	85.7	88.6	90.3
Engineering	143.2	157.2	168.4	187.4	196.4
Environment *	33.9	32.6	34.6	36.1	39.7
Mathematics	94.3	99.3	104.3	105.9	107.4
Science	107.9	120.2	122.5	125.0	128.7
Faculty Subtotal	493.6	525.8	550.2	578.7	598.1
Office of the President	4.0	4.0	4.0	4.0	4.0
Vice-President, Academic & Provost	12.0	13.0	13.0	14.0	14.0
Dean of Graduate Studies	14.8	15.1	16.5	16.5	16.5
Associate Vice-President International	1.0	1.0	1.0	3.0	4.0
Secretary of the University	38.0	38.0	38.0	42.0	42.0
Vice-President, External Relations	69.2	70.7	74.0	77.0	80.5
Vice-President, University Research	35.3	35.3	38.8	41.8	40.8
Vice-President, Administration & Finance	423.8	426.5	428.2	427.3	438.3
Associate Provost, Academic & Student Affairs	298.2	299.6	305.8	313.6	317.6
Associate Vice-President Academic	43.5	44.1	45.5	45.5	46.5
Associate Provost, Human Resources & Student Services	96.7	97.3	100.1	106.4	108.6
Associate Provost, Information Systems & Technology	135.5	135.5	135.5	140.5	140.0
Business Operations	1.0	1.0	1.0	1.0	1.0
Non-Faculty Subtotal	1,173.0	1,181.1	1,201.4	1,232.6	1,253.8
Total Academic Support Staff	1,666.6	1,706.9	1,751.6	1,811.3	1,851.9

General Notes:

Excludes Ancillary Enterprise staff

*** Significant changes:**

2008/09

Effective 2008 Faculty of Environmental Studies became Faculty of Environment

Effective 2008 Geography became Geography & Environmental Management

2007/08

Effective May 2007 TRACE and LT3 merged to form the Centre for Teaching Excellence.

Effective May 2007 the position of Associate Vice-President International was established

Previously the International Student Office reported to the Associate Vice-President Academic

2006/07

Effective May 2006 CBET transferred to the Faculty of Engineering

Effective May 2006 Audio Visual became a branch of IST.

Effective October 2006 the Organizational & Human Development department was established

2005/06

Effective January 2005 the School of Pharmacy was established

Prepared by Finance

University of Waterloo
Academic Support Staff Positions by Department
(Including Open Positions)

	October 2004	October 2005	October 2006	October 2007	October 2008
Applied Health Sciences					
Dean's Office	12.3	13.0	13.5	14.5	14.0
Health Studies & Gerontology	3.5	3.5	4.5	4.5	4.5
Kinesiology	12.7	12.7	13.7	13.7	14.1
Recreation & Leisure Studies	3.0	3.0	3.0	3.0	3.0
	<u>31.5</u>	<u>32.2</u>	<u>34.7</u>	<u>35.7</u>	<u>35.6</u>
Arts					
Accounting & Finance, School of	4.7	4.7	4.0	4.3	4.3
Anthropology	0.7	0.7	0.7	0.7	0.7
Arts Computing Office	7.5	7.5	8.5	8.5	8.5
Arts Language Laboratory	1.0	1.0	1.0	1.0	1.0
Classical Studies	0.5	0.5	0.5	0.5	0.5
Dean's Office	14.3	15.3	16.3	17.6	18.3
Drama & Speech Communication	3.7	3.7	3.8	3.8	3.8
Economics	4.0	4.0	4.0	4.0	4.0
English Language & Literature	3.0	3.0	3.0	3.0	3.0
Fine Arts	4.0	4.0	4.0	4.0	4.0
French Studies	5.0	5.0	5.0	5.0	5.0
Germanic & Slavic Studies	2.0	2.0	2.0	2.0	2.0
History	2.0	2.0	2.0	2.0	2.0
Independent Studies	0.5	0.4	0.4	0.5	0.5
Interdisciplinary Studies	0.0	0.6	0.6	0.6	0.6
Mature Student Services	2.0	2.0	2.0	2.0	2.0
Philosophy	2.0	2.0	2.0	2.0	2.0
Political Science	2.0	2.0	2.0	3.0	3.0
Psychology	19.3	19.3	19.3	19.3	20.3
Religious Studies	0.6	0.6	0.6	0.8	0.8
Sociology	2.0	2.0	2.0	2.0	2.0
Spanish & Latin American Studies	1.0	1.0	1.0	1.0	1.0
Women's Studies	1.0	1.0	1.0	1.0	1.0
	<u>82.8</u>	<u>84.3</u>	<u>85.7</u>	<u>88.6</u>	<u>90.3</u>
Engineering					
Architecture, School of	7.7	9.7	9.6	10.6	10.6
CBET *	N/A	N/A	0.0	0.0	0.0
Chemical	12.5	13.5	13.5	14.5	14.5
Civil & Environmental	14.5	14.5	14.5	15.5	15.5
Engineering Computing	10.0	11.0	11.0	11.0	11.0
Dean's Office	10.2	15.7	19.5	19.5	23.5
Electrical & Computer	34.5	37.0	38.1	39.1	42.1
Engineering Undergraduate Office	9.0	10.0	13.0	24.0	24.0
Environmental Engineering	0.3	0.3	0.3	0.3	0.3
Geological	0.3	0.3	0.3	0.3	0.3
Machine Shop	10.0	11.0	12.0	12.0	12.0
Management Sciences	3.0	3.0	3.0	3.0	4.0
Mechanical & Mechatronics	22.6	22.6	25.0	28.0	29.0
Society, Technology, & Values	0.6	0.6	0.6	0.6	0.6
Systems Design	8.0	8.0	8.0	9.0	9.0
	<u>143.2</u>	<u>157.2</u>	<u>168.4</u>	<u>187.4</u>	<u>196.4</u>
Environment *					
Dean's Office	10.6	10.3	11.3	12.8	16.4
Environment & Resource Studies	3.0	3.0	3.0	3.0	3.0
Geography & Environmental Management *	6.0	6.0	6.0	6.0	6.0
Mapping, Analysis & Design	9.0	8.0	9.0	9.0	9.0
Planning, School of	5.3	5.3	5.3	5.3	5.3
	<u>33.9</u>	<u>32.6</u>	<u>34.6</u>	<u>36.1</u>	<u>39.7</u>

* see notes on page 1

University of Waterloo
Academic Support Staff Positions by Department
(Including Open Positions)

	October 2004	October 2005	October 2006	October 2007	October 2008
Mathematics					
Applied Mathematics	3.0	3.0	3.0	3.0	3.0
Combinatorics & Optimization	4.5	4.5	4.6	4.6	4.6
Computer Science, David R. Cheriton School of	41.3	41.3	42.8	41.8	41.8
Dean's Office	20.1	22.1	24.1	24.6	25.6
Dean of Math Graduate Office	1.4	1.4	1.4	1.4	1.9
Math Faculty Computing Facility	13.5	15.5	16.9	18.0	18.0
Pure Mathematics	2.8	3.8	3.8	3.8	3.8
Statistics & Actuarial Science	7.7	7.7	7.7	8.7	8.7
	<u>94.3</u>	<u>99.3</u>	<u>104.3</u>	<u>105.9</u>	<u>107.4</u>
Science					
Biology	19.5	20.5	20.5	20.5	20.5
Chemistry	19.5	21.5	21.0	20.0	20.0
Dean's Office	10.0	15.0	16.3	16.3	16.3
Earth & Environmental Sciences	6.7	6.7	6.7	6.7	6.7
Optometry, School of	13.5	13.5	14.0	15.0	15.0
Optometry Clinic	18.0	18.8	18.8	18.8	18.8
Pharmacy, School of *	N/A	2.5	2.5	5.0	7.7
Physics & Astronomy	8.7	9.7	10.7	10.7	11.7
Science Technical Service	10.0	10.0	10.0	10.0	10.0
GW Centre - Chemistry	1.0	1.0	1.0	1.0	1.0
GW Centre - Physics	1.0	1.0	1.0	1.0	1.0
	<u>107.9</u>	<u>120.2</u>	<u>122.5</u>	<u>125.0</u>	<u>128.7</u>
Office of the President					
	4.0	4.0	4.0	4.0	4.0
	<u>4.0</u>	<u>4.0</u>	<u>4.0</u>	<u>4.0</u>	<u>4.0</u>
Vice-President, Academic & Provost					
Institutional Analysis & Planning	4.0	4.0	4.0	3.0	3.0
	8.0	9.0	9.0	11.0	11.0
	<u>12.0</u>	<u>13.0</u>	<u>13.0</u>	<u>14.0</u>	<u>14.0</u>
Dean of Graduate Studies					
Graduate Studies Office	14.8	15.1	16.5	16.5	16.5
	<u>14.8</u>	<u>15.1</u>	<u>16.5</u>	<u>16.5</u>	<u>16.5</u>
Associate Vice-President International *					
International Student Office *	N/A	N/A	N/A	1.0	1.0
	1.0	1.0	1.0	2.0	3.0
	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>	<u>3.0</u>	<u>4.0</u>
Secretary of the University					
Secretariat	7.0	7.0	7.0	9.0	9.0
Conflict Management & Human Rights	2.0	2.0	2.0	2.0	2.0
Safety Office	5.0	5.0	5.0	6.0	6.0
UW Police	24.0	24.0	24.0	25.0	25.0
	<u>38.0</u>	<u>38.0</u>	<u>38.0</u>	<u>42.0</u>	<u>42.0</u>
Vice-President, External Relations					
Communications & Public Affairs	2.0	2.0	2.0	2.0	2.0
Office of Development & Alumni Affairs	10.0	10.0	10.0	10.0	10.0
	57.2	58.7	62.0	65.0	68.5
	<u>69.2</u>	<u>70.7</u>	<u>74.0</u>	<u>77.0</u>	<u>80.5</u>
Vice-President, University Research					
Office of Research	35.3	35.3	38.8	41.8	40.8
	<u>35.3</u>	<u>35.3</u>	<u>38.8</u>	<u>41.8</u>	<u>40.8</u>

University of Waterloo
Academic Support Staff Positions by Department
(Including Open Positions)

	October 2004	October 2005	October 2006	October 2007	October 2008
Vice-President, Administration & Finance	20	20	20	20	20
Bookings	10	10	10	10	10
Central Stores	26.0	27.0	27.7	27.3	27.3
Finance	35.8	36.0	37.0	38.0	37.0
Plant Operations					
Hourly Labour	300.0	301.5	301.5	299.0	311.0
Physical Plant	46.0	46.0	46.0	47.0	47.0
Procurement Services	13.0	13.0	13.0	13.0	13.0
	<u>423.8</u>	<u>426.5</u>	<u>428.2</u>	<u>427.3</u>	<u>438.3</u>
Associate Provost, Academic &					
Student Affairs	20	20	30	40	40
Co-op. Education & Career Services	89.5	89.5	92.5	94.4	99.4
Library	132.6	133.0	133.2	131.6	129.6
Registrar	74.1	75.1	77.1	83.6	84.6
	<u>298.2</u>	<u>299.6</u>	<u>305.8</u>	<u>313.6</u>	<u>317.6</u>
Associate Vice-President Academic	10	20	24	20	30
Centre for Teaching Excellence *	N/A	N/A	N/A	11.5	11.5
Distance & Continuing Education	31.0	31.0	32.0	32.0	32.0
LT3 *	8.5	8.1	8.1	N/A	N/A
Teaching Resources & Continuing Education *	3.0	3.0	3.0	N/A	N/A
	<u>43.5</u>	<u>44.1</u>	<u>45.5</u>	<u>45.5</u>	<u>46.5</u>
Associate Provost, Human Resources					
& Student Services	5.3	5.3	6.3	6.3	6.3
Athletics & Recreational Services	29.0	29.0	29.0	31.0	31.0
Counselling Services	15.3	15.4	15.9	16.7	16.7
Health Services	17.8	18.3	18.9	18.9	20.7
Human Resources	27.0	27.0	27.0	28.0	28.0
Organizational & Human Development *	N/A	N/A	1.0	3.5	3.9
UW Theatre Centre	2.3	2.3	2.0	2.0	2.0
	<u>96.7</u>	<u>97.3</u>	<u>100.1</u>	<u>106.4</u>	<u>108.6</u>
Associate Provost, Information Systems					
& Technology					
Information Systems & Technology (IST)	119.0	119.0	135.5	140.5	140.0
Audio Visual *	16.5	16.5	N/A	N/A	N/A
	<u>135.5</u>	<u>135.5</u>	<u>135.5</u>	<u>140.5</u>	<u>140.0</u>
Business Operations	1.0	1.0	1.0	1.0	1.0
	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>
Total Academic Support Staff	<u>1,666.6</u>	<u>1,706.9</u>	<u>1,751.6</u>	<u>1,811.3</u>	<u>1,851.9</u>

**University of Waterloo Senate Finance Committee
2009-2010 Operating Budget**

Supplementary Data - Glossary of Terms

Student***Basic Income Unit (BIU)***

BIUs are funding units defined by the Ministry of Training, Colleges and Universities (MTCU). Each student reported to the government for funding purposes generates a specified number of funding units (BIUs) depending on the program of registration and the level of study. Undergraduate weightings in non-medical programs are from 1.0 to 3.0; masters, 3.0 to 4.0; and doctoral, 6.0.

BIU Teaching Unit (BTU)

BTUs are funding units defined by the University of Waterloo for internal use. They are a measure of the government operating grant generating capacity of a Faculty. In contrast with the BIUs claimed to government in which the Faculty receives credit for students registered, BTUs give undergraduate credit for student term courses taught. Student term courses taught are converted to BTUs using the average course load and BIU weight for students registered in that Faculty. Graduate BIUs and BTUs are equivalent.

Full-time Equivalent (FTE) Graduate Enrolment

Graduate students normally register for three terms per year. With three terms of registration a full-time student generates 1.0 FTE and a part-time student 0.3 FTE.

Full-time Equivalent (FTE) Undergraduate Enrolment

Full-time undergraduates normally register for two terms per year. Full-time students generate 1.0 FTE with two terms of registration. Part-time FTEs are calculated by dividing the total courses taken by 10, the expected average two-term course load.

Full-time Equivalent (FTE) Undergraduates Taught

This is a measure of the number of full-time equivalent students *taught* by a Faculty. It is calculated as the number of term courses taught by a Faculty divided by the average course load of full-time students registered in that Faculty.

Home Enrolled Undergraduate

Home enrolled undergraduates is the full-time equivalency of students *registered* in the Faculty.

Year One Enrolment

Year one enrolment is the count of full-time students registered in the *fall* term at the year one level. This includes students who are repeating, have changed from part-time to full-time, or have transferred from another program. This excludes students admitted in the winter and spring, ESL students, new admits to non-degree and students admitted to second-entry programs.

Year One Enrolment Target

The year one enrolment target is the total number of year one students expected to be registered on November 1. The year one target, applications and applicant confirmation/registration history are used to determine the number of offers of admission to be issued. These targets are reviewed annually by the Faculty deans and associate deans.

Faculty

Average Salary - Fiscal

The fiscal average salary is used in analyses involving fiscal year expenditures. When the salary year and fiscal year coincide, the nominal and fiscal average salaries are equivalent. When they do not coincide, the fiscal average salary is calculated as a weighted average of the nominal salaries paid during the fiscal year. For example, for a fiscal year beginning May 1 and a salary year beginning July 1, the fiscal average salary is 2/12ths of the May 1 nominal average salary plus 10/12ths of the July 1 salary.

Average Salary - Nominal

The nominal average salary is the average salary of full-time faculty, including lecturers and Faculty deans. Included are faculty with appointments of at least one year if the faculty member is supported by operating funds or is an instructor. The nominal salary (or base salary) excludes stipends, sessionals, and professional allowances. Faculty on leave are included in the average at full salary.

Faculty Complement

The faculty complement is the number of ongoing faculty positions (filled and open) for which the university has made a budgetary commitment. This number is distinct from other counts of full-time faculty such as those reported to Statistics Canada and in "Summary of Faculty Appointments" in this document. The latter two report full-time appointments of at least one year if the faculty member is supported by operating funds or is an instructor.

Full-time Equivalent (FTE) Faculty

The FTE for faculty is calculated as the operating expenditures on faculty salaries (from the Audited Financial Statement) divided by the average nominal salary of full-time faculty. The inclusion of all expenditures on faculty salaries adjusts for leaves, sessionals, and adjunct and part-time faculty.

Staff

Academic Support Staff Positions (Staff Complement)

The staff positions reported are ongoing positions (filled and open) supported by operating funds, for which the university has made a budgetary commitment. The full-time equivalency of part-time positions is calculated based on the annual hours worked.

Financial

Operating Expenditures

Operating expenditures used in the tables are those reported in the Financial Statement as expenditures from operating funds. In cases where the Financial Statement does not provide sufficient detail, these expenditure data have been obtained from detail reports that support the Financial Statement.

Budget

The budget is the ongoing operating budget as reported for financial planning purposes.

Total University Operating Income

The total operating income is budgeted income, excluding the grant in lieu of municipal taxes. The income is net of transfers with the UW Colleges.