

## CREDIT ANALYSIS

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This Credit Analysis provides an in-depth discussion of credit rating(s) for University of Toronto and should be read in conjunction with Moody's most recent Credit Opinion and rating information available on [Moody's website](#).

# University of Toronto

Ontario, Canada

## Ratings

### University of Toronto

Category	Moody's Rating
Outlook	Stable
Bonds	Aa2

## Summary Rating Rationale

The University of Toronto's (U of T) issuer and debt ratings are rated Aa2 with stable outlook. The Aa2 ratings reflect the university's consistent operating performance, moderate debt burden and strong balance sheet, balanced by significant unfunded pension liabilities. The university retains strong fiscal flexibility and is able to make ongoing adjustments to its budgets in order to ensure the posting of satisfactory fiscal outcomes. The ratings also take into account U of T's strong market position as Canada's largest post-secondary institution and a national leader in research.

## Rating Outlook

The outlook is stable.

## What Could Change the Rating - Up

Increased flexibility to set tuition fees, leading to higher revenue growth and increased financial flexibility, combined with growth in the university's endowment could apply upward pressure on the rating. If the university were to also successfully resolve its significant unfunded pension liabilities, this could put upward pressure on the rating.

## What Could Change the Rating - Down

Sustained deterioration in financial performance and/or sustained losses in the asset value of the university's endowment, leading to a deterioration of the university's financial and liquidity profile, could exert downward pressure on the rating. An inability to address the significant unfunded pension liabilities could also put downward pressure on the rating.

## Issuer Profile

The University of Toronto (U of T), Canada's largest post-secondary institution, is a comprehensive teaching and research university offering programs in 13 faculties and several schools, including Applied Science & Engineering, Arts & Science, Medicine, Law and Management. Enrolment exceeds 68,000 full-time-equivalents (FTE).

## Key Rating Considerations

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### Government Relationship

Like other universities in the Province of Ontario, the University of Toronto was created by a separate act of the provincial legislature. While the province is ultimately responsible, constitutionally, for the delivery of post-secondary education, the University of Toronto operates at arm's-length from the province, as do other Ontario universities. The provincial government establishes broad strategies and targets for each university, provides operating grants and has the authority to control tuition fees, but each university retains autonomy to carry out its activities. While the Ontario Ministry of Training, Colleges and Universities monitors developments at individual universities and demands that universities be accountable, the "hands-off" approach to the university sector in Ontario is unlike that in some other Canadian provinces, such as Quebec, where the level of provincial control and oversight is considerably greater.

In our view, this lower level of provincial oversight and monitoring over Ontario universities, in and of itself, would be considered as a credit negative, increasing the likelihood that universities could experience financial difficulties without the province being aware of it; however, this relative independence of Ontario universities is balanced by prudent fiscal management. U of T's strong standalone characteristics including strong governance and management mitigate any concerns posed by the relative independence of Ontario universities from the provincial government.

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### Market Position

#### Continued Enrollment Growth Driven by Student Demand

Student demand for U of T's various programs has been strong in recent years, resulting in a consistent increase in enrolment. In the 2011-12 academic year, enrolment reached 68,088 on a full-time equivalent (FTE) basis, up from 61,210 in 2006-07, an increase of approximately 11%, or 2% on a compound annual growth rate (CAGR) basis. Due to the demographics of the Greater Toronto Area, the Province of Ontario's continued commitment to education, and the university's academic reputation, strong student demand is expected to be sustained, and the U of T projects that enrolment will reach 75,000 FTEs by 2016-17.

#### High Proportions of Graduate Students and International Students

Reflecting provincial government priorities to provide funding support for graduate programs, graduate enrolment growth is expected to slightly outpace undergraduate enrolment growth over the near term. If the university's enrolment plan comes to fruition, graduate students would account for close to 21% of total FTEs by 2016-17, up from the current level of 20%. International enrolments, which currently account for about 13% of U of T's total enrolment (on a total students basis), are also expected to grow and account for about 15% of total enrolment by the 2016-17 academic year.

The relatively high and increasing proportions of international students and graduate students enrolled at U of T also reflect the university's excellent reputation and strong international profile. Additionally, U of T's high proportion of graduate students also indicates greater research intensity that supports the university's market position.

#### National Leader in Research

The University of Toronto, and its affiliated institutions, including several hospitals, continues to be the leader among Canadian universities in securing federal government research funding from the three granting councils and from other federal programs. Research funding from all sources is substantial and the university continues to rank highly in terms of research output. Between 2006-07 and 2011-12, total research grants and contracts earned by U of T have grown at a CAGR of 5.6%, reaching C\$420.3 million in 2011-12. In addition to this amount, there are also substantial research grants and contracts awarded to university faculty and administered by the affiliated teaching hospitals.

Research activities at the University of Toronto have benefited from increased federal funding, including through the Canada Research Chairs program, which provides funding for about 2,000 research chairs allocated to degree-granting institutions countrywide. At present, 238 chairs have been awarded to University of Toronto researchers, the most of any Canadian university.

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#### Operating Performance

##### Prudent Practices Contribute to Consistent Outcomes

The University of Toronto's operating budget model, which involves a rolling five-year planning cycle, has helped the university produce generally consistent fiscal outcomes. In 2006-07, the university's operating budget process was modified to improve decision-making at the faculty level, and each academic division now submits its own annual multi-year budget plan according to overall budget guidelines. The university has by and large registered a surplus in recent fiscal years, except for 2008-09, where a C\$125.3 million investment loss realized during the global financial crisis contributed to a net loss of C\$169.2 million, and 2011-12, where a small net loss was recorded.

##### Net Loss in 2011-12 After Recording Higher Pension Expense

In 2011-12, the university registered a net loss of C\$34.5 million after recording C\$131.2 million in unfunded employee future benefits expense related to the university's increased unfunded pension liabilities (discussed below). However, we make adjustments to the university's annual fiscal outcomes to smooth the impact of investment returns--which introduce volatility to the university's income statement--and remove scholarships, fellowships and bursaries from both revenues and expenses, reflecting the "flow-through" nature of these expenses. On a Moody's-adjusted basis, U of T posted a small net loss of C\$5.0 million (0.2% of adjusted revenues). On a cash basis of accounting, funds from operations was C\$55.8 million, down from C\$138.2 million in 2010-11. U of T's operations have consistently generated significant funds from operations in recent years, allowing the university to provide internal financing for capital projects and limit debt financing requirements.

##### Salaries and Benefits Costs Present Challenges

Due to the need to remain competitive with other top institutions and attract academic talent as well as an expansion in the number of faculty and staff, the University of Toronto continues to face challenges from rising costs of salaries and benefits, the university's largest expense item. Increases in pension expenses arising from the university's pension plan deficit (discussed below) has added to this pressure. Between 2006-07 and 2011-12, expenses related to salaries and benefits increased by a CAGR of 7.7%, compared to a 4.4% increase in revenues over the same period. Nevertheless, the

university's prudent budgetary policies help to manage these cost pressures, and over the long range budget horizon, a 5.6% CAGR increase in both operating revenues and expenses are expected to result in balanced operating budgets up to 2016-17.

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## Debt Profile

### Disciplined Borrowing Strategy

U of T's borrowing strategy, approved by the Business Board in 2004, states that external borrowing capacity must not exceed 40% of net assets averaged over 5 years. If actual borrowings come to exceed this limit, no further borrowing can be permitted until such time as outstanding borrowing declines to 33% of net assets averaged over 5 years.<sup>1</sup> U of T also has sufficient flexibility to finance fiscal requirements internally from its strong liquidity position, allowing them to access capital markets only when conditions are favorable.

### Debt Burden Expected to Rise But Remain Moderate

Between 2001-02 and 2011-12, the university issued five debentures totaling C\$710 million to help finance capital outlays. As at April 30, 2012, net direct debt totaled C\$722.5 million, amounting to 31.7% of adjusted revenues, while interest costs consumed only 1.5% of adjusted revenue during the fiscal year. As at May 31, 2012, the university had only roughly C\$37 million of unused external borrowing capacity. If this amount of debt were issued, U of T's debt burden would increase modestly to approximately 33% of revenues, a moderate level that remains manageable and in line with the current high rating. The university also sets aside principal and interest payments from departments into its Long-Term Borrowing Pool, a sort of internal sinking fund, to repay these bullet debentures.

### Significant Unfunded Pension Liability to be Addressed

The university's pension fund position deteriorated in recent years, with the emergence of a larger unfunded liability due to the impact of poor investment performance on fund assets, longer life expectancy and other factors. As of April 30, 2012, the unfunded liability measured C\$2.0 billion on an accounting basis, up from C\$1.4 billion a year ago. U of T made a C\$150 million lump sum payment into the pension plan in June 2011, expects to make another by June 2014, and intends to substantially increase its annual special payments (from C\$27.2 million per year in 2010-11 to C\$110 million per year by 2015-16) to improve the current deficit position. In addition, the university has negotiated an increase in employee pension contributions as part of recent labour negotiations with employee groups that have members in the university's pension plans.

U of T has applied for the provincial solvency funding relief program, and has received Stage 1 approval whereby the university has developed a plan to make its pension plans more sustainable. If the university were to receive Stage 2 approval (based on actuarial filing date July 1, 2014), this would allow the university to amortize special pension payments required to address the solvency deficiency over 10 years, i.e. until 2024, instead of five years. We recognize that the university has put in place plans to address its significant unfunded liabilities, including a strategy of increased special payments approved by the Business Board, though special and lump sum payments will put pressure on its operating budgets. Addressing this significant unfunded position, however, will take several years to resolve and if Stage 2 approval were not granted, this would put significant pressure on the university's budget. We expect the university will be able to manage these pressures but we will continue to monitor the progress of the university's plan and the success in moving the pension plans to a more sustainable footing.

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<sup>1</sup> The university is revisiting its borrowing strategy, though no changes have yet been announced.

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## Balance Sheet Strength

### Strong Balance Sheet Supported by Financial Resources

U of T's financial resources have grown over the medium term. Net cash and investments, which excludes externally restricted endowments and provides a measure of liquidity, totaled C\$1.4 billion at April 30, 2012, up from C\$929 million at the end of fiscal 2005-06. Net cash and investments now provide 1.9 times coverage of the university's net direct debt. This cushion provides an additional layer of safety for debenture holders and enhances the university's fiscal flexibility.

### Endowment Assets Hold Steady

At April 30, 2012, the university's endowment assets totaled C\$1.5 billion, similar to the previous year. The university's Long-Term Capital Appreciation Pool, which includes assets of the endowment fund, experienced only a modest gain of 1.0% in 2011-12 after recovering 14.7% and 9.9% in 2009-10 and 2010-11 respectively, following the 31.0% loss in 2008-09 during the global financial crisis. Following the suspension of the endowment payout in 2008-09, the payout was restored in 2009-10 and continued in the last two years.

### Boundless Fundraising Campaign Underway

The University of Toronto has traditionally been successful in its fundraising activities, and in November 2011, Boundless, a new fundraising campaign, was officially launched. With an ambitious goal of C\$2 billion for U of T and its federated universities, the new Boundless campaign is the largest in the history of Canadian universities. However, roughly half of the planned target had already been secured prior to the campaign's official launch. Over the fiscal year 2011-12, C\$128.5 million in new pledges and gifts were raised. With its large alumni base, strong reputation and fundraising experience, U of T is expected to continue its success in fundraising activities.

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## Governance and Management

The Governing Council oversees the academic, business and student affairs of the university. The Council is composed of 50 members, of whom 25 are internal members (including administrative staff, teaching staff and students) and 25 are external members (including alumni and provincial appointees). A variety of boards and committees oversee specific areas of the university's affairs, including a Business Board, a Planning and Budget Committee, an Audit Committee, a Pension Committee and a Committee on Academic Policies & Programs. U of T's academic mission is clearly articulated and the Governing Council possesses the tools necessary to effectively oversee and monitor management's activities.

The success of U of T in maintaining a strong balance sheet, while meeting academic goals, is underpinned by the development and execution of multi-year frameworks for academic and financial planning. These plans identify performance benchmarks and facilitate the development of operating budgets and capital plans. Internal financial management policies are comprehensive and support both growth in the university's net asset position and the management of investment and debt related risks. University of Toronto Asset Management Corporation (UTAM), a wholly owned subsidiary, is tasked with managing the investment assets of the university's Long-Term Capital Appreciation Pool (which includes assets of the endowment fund), the Expendable Funds Investment Pool (including short- to medium-term funds) and assets of the university's pension plans. Recently, the university has made changes to the governance arrangements of UTAM to improve oversight over investment activities and has also modified its investment strategies, placing greater emphasis on risk management and stress-testing the portfolio from both a liquidity and an asset allocation standpoint.

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### Application of Joint-Default Analysis

As a reflection of Moody's joint-default analysis (JDA) methodology for government-related issuers, the university's Aa2 rating is composed of two principal inputs: a baseline credit assessment of aa2 and a high likelihood that the Province of Ontario (Aa2, stable outlook) would act to prevent a default by the university. High support is based on Moody's assessment of the risk posed to the province's reputation as a regulator of the university sector if U of T were allowed to default.

### Rating History

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#### University of Toronto

Date	Rating
May 2012	Aa2
August 2002	Aa1
January 2001	Aa2

## Annual Statistics

### University of Toronto

	2008	2009	2010	2011	2012
<b>Debt Statement (C\$ Millions, as at April 30)</b>					
Mortgages and Term Loans	53.6	46.0	22.8	15.3	13.9
Debentures	507.0	507.0	507.0	507.1	708.6
<b>Net Direct Debt</b>	<b>560.6</b>	<b>553.0</b>	<b>529.8</b>	<b>522.4</b>	<b>722.5</b>
<b>Debt Trends (as at April 30)</b>					
Net Direct Debt per Student (C\$, per FTE)	8,998	8,787	8,101	7,843	10,611
Net Direct Debt as a % of Revenue [1]	29.8	27.2	25.5	24.1	31.7

[1] Revenue is net of scholarship expenses and adjusted to smooth investment returns.

### Market Demand Trends

Total Enrolment (FTE)	62,301	62,934	65,402	66,611	68,088
of which, undergraduate	50,159	50,336	52,286	53,226	54,334
Total Students	73,016	73,685	76,108	77,288	79,085
of which, undergraduate	59,074	59,794	61,632	62,666	64,120
of which, international	7,380	7,866	8,482	9,099	10,120
Undergraduate FTEs as a % of Total FTEs	80.5	80.0	79.9	79.9	79.8
Undergraduate Students as a % of Total Students	80.9	81.1	81.0	81.1	81.1
Selectivity (%) [1]	52.4	54.4	54.0	50.3	--
Matriculation (%) [2]	36.9	33.8	33.4	33.9	--
Average Entry Grade (%)	83.2	83.6	84.1	84.6	--

[1] Number of acceptances divided by number of applicants.

[2] Number of students enrolling divided by number of acceptances.



## University of Toronto

	2008	2009	2010	2011	2012
<b>Statement Of Operations (C\$ Millions, Year Ending April 30)</b>					
<b>Revenue</b>					
Government Grants for Operations	643.5	650.6	678.0	691.0	702.2
Tuition Fees	583.6	636.4	701.3	764.3	847.4
Grants and Contracts	358.3	429.9	395.9	406.4	420.3
Investment Income (Loss)	69.9	(125.3)	124.9	135.6	102.3
Donations	56.2	82.1	57.7	63.7	59.9
Other	237.4	251.0	253.1	260.1	271.3
<b>Total Revenue</b>	<b>1,948.9</b>	<b>1,924.7</b>	<b>2,210.9</b>	<b>2,321.1</b>	<b>2,403.4</b>
<b>Expenses</b>					
Salaries and Benefits	1,127.4	1,224.0	1,319.5	1,459.9	1,536.5
Materials and Supplies	193.7	195.8	200.4	206.3	222.2
Scholarships, Fellowships and Bursaries	125.0	144.6	132.1	141.4	150.8
Amortization of Capital Assets	104.1	117.2	124.1	132.1	137.0
Interest Payments	33.0	33.7	32.4	32.6	34.3
Other	315.1	378.6	357.0	341.6	357.1
<b>Total Expenses</b>	<b>1,898.3</b>	<b>2,093.9</b>	<b>2,165.5</b>	<b>2,313.9</b>	<b>2,437.9</b>
<b>Net Income (Loss)</b>	<b>50.6</b>	<b>(169.2)</b>	<b>45.4</b>	<b>7.2</b>	<b>(34.5)</b>
<b>Adjustments</b>					
Revenue [1]	1,881.3	2,031.7	2,077.8	2,168.3	2,282.1
Expenses [2]	1,773.3	1,949.3	2,033.4	2,172.5	2,287.1
<b>Net Income (Loss)</b>	<b>108.0</b>	<b>82.4</b>	<b>44.4</b>	<b>(4.2)</b>	<b>(5.0)</b>
Funds from operations	168.2	125.4	124.5	138.2	55.8
Free cash flow	103.5	62.1	123.0	42.0	(33.9)

[1] Revenue is net of scholarship expenses and adjusted to smooth investment returns.

[2] Net of scholarship expenses.

**Fiscal Trends (Year Ending 4/30)**

Provincial Funding as a % of Revenue [1]	34.2	32.0	32.6	31.9	30.8
Net Tuition as a % of Revenue [1] [2]	24.4	24.2	27.4	28.7	30.5
Interest Expense as a % of Revenue [1]	1.8	1.7	1.6	1.5	1.5
Debt Service as a % of Revenue [1]	1.9	1.8	2.9	1.6	1.5
Total Gift Revenue [3]	92.6	131.5	77.2	85.1	83.5
Funds from Operations as a % of Revenue [1]	8.9	6.2	6.0	6.4	2.4
Annual Operating Margin (%)	5.7	4.1	2.1	(0.2)	(0.2)
Average Operating Margin (%)	5.3	5.4	3.9	2.0	0.5

[1] Revenue is net of scholarship expenses and adjusted to smooth investment returns.

[2] Tuition fees are net of scholarship expenses.

[3] Includes both donations recorded as revenue and as direct additions to endowments.



## University of Toronto

	2008	2009	2010	2011	2012
<b>Consolidated Balance Sheet (C\$ Millions, as at 4/30)</b>					
<b>Assets</b>					
Cash and Short-term Investments	555.7	578.4	560.0	634.4	784.6
Accounts Receivable	95.4	119.9	105.8	104.8	84.7
Investments	2,165.2	1,633.1	1,965.0	2,078.4	2,088.2
Capital Assets	1,451.8	1,532.4	1,618.5	1,769.2	1,854.0
Other	37.2	45.2	43.6	53.7	68.7
	<b>4,305.3</b>	<b>3,909.0</b>	<b>4,292.9</b>	<b>4,640.5</b>	<b>4,880.2</b>
<b>Liabilities</b>					
Accounts Payable and Accrued Liability	163.5	182.8	234.4	248.0	278.1
Deferred contributions	346.1	328.4	357.9	370.3	371.2
Long-term Debt and Debentures [1]	558.4	558.9	528.2	526.8	727.7
Deferred Capital Contributions	718.1	831.0	881.7	986.3	1,018.3
Employee future benefit obligation [2]	344.9	390.8	490.7	612.7	640.0
	<b>2,131.0</b>	<b>2,291.9</b>	<b>2,492.9</b>	<b>2,744.1</b>	<b>3,035.3</b>
<b>Net Assets</b>					
Unrestricted	(231.9)	(232.0)	(186.8)	(173.9)	(135.2)
Committed	279.5	179.0	136.4	90.6	26.8
Equity in Capital Assets	371.9	383.8	413.2	440.3	435.2
<b>Endowments</b>					
Externally Restricted	1,465.1	1,081.2	1,212.0	1,301.7	1,287.3
Internally Restricted	289.7	205.1	225.2	237.7	230.8
	<b>2,174.3</b>	<b>1,617.1</b>	<b>1,800.0</b>	<b>1,896.4</b>	<b>1,844.9</b>

[1] Includes bank overdraft in 2001.

[2] Includes accrued pension liability and employee future benefit obligation other than pension

### Balance Sheet Trends (as at 4/30)

Total Cash and Investments (C\$ Millions)	2,720.9	2,211.5	2,525.0	2,712.8	2,872.8
Total Cash and Investments per FTE (C\$)	43,673	35,140	38,607	40,726	42,192
Net Cash and Investments [1]	1,234.1	1,130.3	1,313.0	1,411.1	1,384.0
Net Cash and Investments-to-Net-Direct-Debt (x)	2.2	2.0	2.5	2.7	1.9
Net Cash and Investments per FTE (C\$)	19,809	17,960	20,076	21,184	20,327
Net Cash and Investments-to-Operations (x)	0.7	0.6	0.6	0.6	0.6
Unfunded Pension Liabilities (C\$ Millions)	337.5	784.0	1,266.9	1,392.6	1,984.3
as % of Revenue	17.9	38.6	61.0	64.2	86.9
Annual Employer Contribution (C\$ Millions)	78.4	91.4	97.9	140.1	254.7
Annual Employer Contribution / Total Revenue	4.2	4.5	4.7	6.5	11.2

[1] Cash, short-term and long-term investments net of unspent debenture proceeds less externally restricted endowments.

## Moody's Related Research

### Credit Opinions:

- » [Canada, Government of](#)
- » [Ontario, Province of](#)

### Special Comment:

- » [Canadian Provinces Consolidating Finances in 2012, March 2012 \(140455\)](#)

### Statistical Handbook:

- » [Non-U.S. Regional and Local Governments, June 2012 \(141944\)](#)

### Rating Methodologies:

- » [Methodology for Rating Public Universities, August 2007 \(103498\)](#)
- » [Government-Related Issuers: Methodology Update, July 2010 \(126031\)](#)

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 Report Number: 146411
 

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