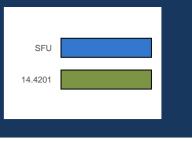
B.C. Baccalaureate Outcomes

2023 Survey of 2021 Baccalaureate Graduates

☑ BC Student ☑ Outcomes

Detailed Summary of Survey Results Simon Fraser University 14.4201: Mechatronics, robotics, and automation engineering



30%

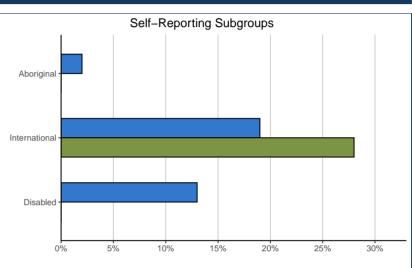
40%

RESPONSE RATE								
Survey Response Rate:	14.4	14.4201 SFU				Respon	se Rate	
Baccalaureate Graduates Survey Cohort	91	100%	5,547	100%	SFU -			
Survey Respondents and Response Rate	36	40%	1,725	31%	010			
					14.4201 -			



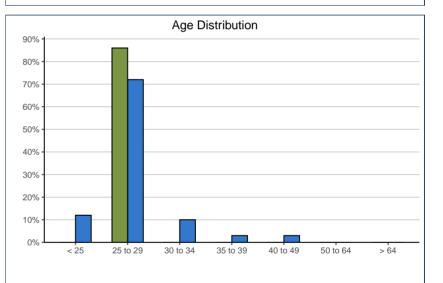
Self-Reporting Subgroups:	14.4201		SI	FU
Disabled	~	~	205	13%
International	10	28%	333	19%
Aboriginal	~	~	31	2%

Gender:*	14.4201		SFU		
Male	~	~	797	46%	
Female	~	~	924	54%	
Total	36	100%	1,721	100%	
*Due to zero or low counts, institution-reported "Non-binary" demographic data are not included.					

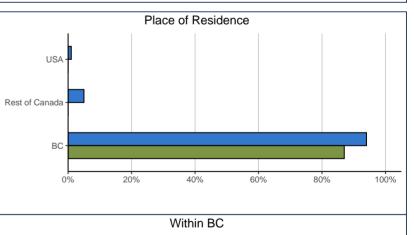


20%

Age (at time of survey):	14.4201		SFU	
< 25	~	~	200	12%
25 to 29	31	86%	1,238	72%
30 to 34	~	~	165	10%
35 to 39	~	~	54	3%
40 to 49	0	0%	53	3%
50 to 64	0	0%	~	~
> 64	0	0%	~	~
Total	36	100%	1,725	100%
Median Age	27		26	
Average (mean) Age	27		28	



Place of Residence (at time of survey):	14.	14.4201		SFU	
BC – Mainland/Southwest	~	~	1,390	90%	
BC – Vancouver Island/Coast	~	~	32	2%	
BC – Northern B.C.	0	0%	~	~	
BC – Interior/Kootenays	0	0%	~	~	
BC Subtotal	26	87%	1,446	94%	
Canada – Alberta	~	~	16	1%	
Canada – Ontario	~	~	39	3%	
Canada – Other	0	0%	18	1%	
U.S.A.	0	0%	17	1%	
Non-BC Subtotal	~	~	90	6%	

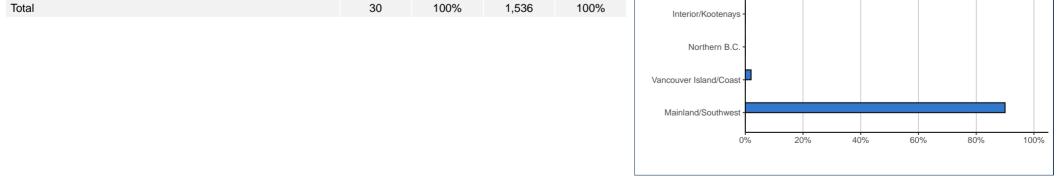


1

0%

10%

DEMOGRAPHIC INFORMATION



Detailed Summary of Survey Results Simon Fraser University 14.4201: Mechatronics, robotics, and automation engineering



EDUCATION EVALUATION AND SKILL DEVELOPMENT

Program Satisfaction:	14.	14.4201		=U
Very Satisfied	8	22%	366	22%
Satisfied	24	67%	1,108	65%
Dissatisfied	4	11%	177	10%
Very Dissatisfied	0	0%	42	2%
Total	36	100%	1,693	100%

Usefulness of Knowledge, Skills, and Abilities Acquired during Program in Work:	14.4201		SFU	
Very Useful	4	13%	402	29%
Somewhat Useful	24	77%	749	53%
Not Very Useful	3	10%	182	13%
Not at All Useful	0	0%	70	5%
Total	31	100%	1,403	100%

Took upgrading, access, bridging, or other preparatory courses during or prior to studies:	14.4201		SFU	
Yes	2	6%	157	9%
No	33	94%	1,507	91%



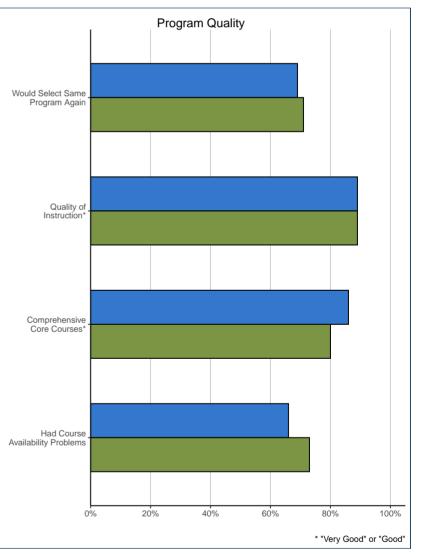
Would select the same program again:	14.4201		SFU	
Yes	20	71%	1,040	69%
No	8	29%	466	31%

Quality of Instruction:	14.4201		SI	FU
Very Good	4	11%	383	22%
Good	28	78%	1,141	67%
Poor	3	8%	157	9%
Very Poor	1	3%	30	2%
Total	36	100%	1,711	100%

Comprehensiveness of Core Courses:	14.4201		SFU	
Very Good	3	9%	387	23%
Good	24	71%	1,062	63%
Poor	7	21%	191	11%
Very Poor	0	0%	37	2%
Total	34	100%	1,677	100%

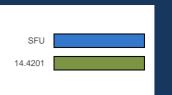
Course Availability:	14.4201		SFU	
Encountered course availability problems	24	73%	1,122	66%

Financial Constraints:	14.4201		SFU	
Had to interrupt studies for financial reasons	3	9%	203	12%
Had to take program part-time for financial reasons	6	17%	397	23%



Note: \sim indicates low cell count; data suppressed

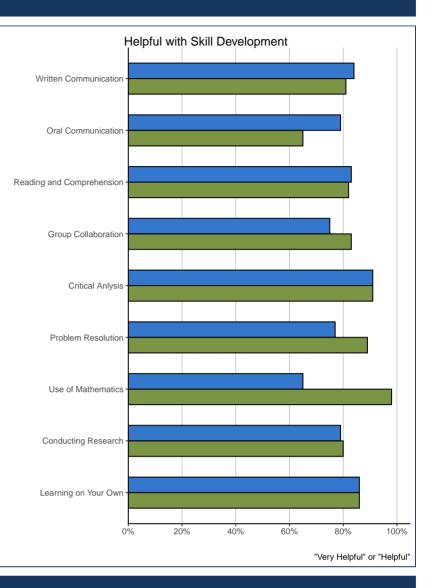
Detailed Summary of Survey Results Simon Fraser University 14.4201: Mechatronics, robotics, and automation engineering

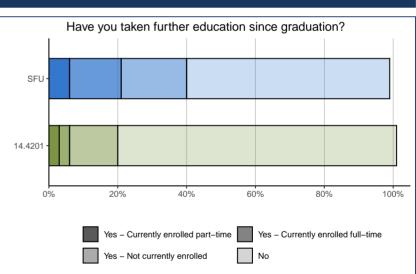


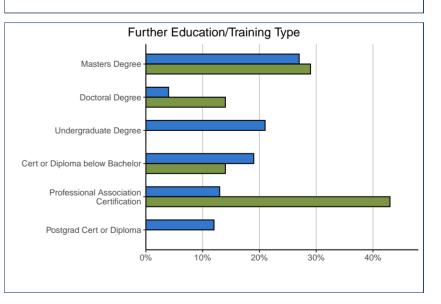
SKILL DEVELOPMENT

		14.4201				
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.	
Written Communication	17%	64%	17%	3%	36	
Oral Communication	11%	54%	34%	0%	35	
Reading and Comprehension	24%	58%	18%	0%	33	
Group Collaboration	25%	58%	17%	0%	36	
Critical Anlysis	44%	47%	8%	0%	36	
Problem Resolution	36%	53%	8%	3%	36	
Use of Mathematics	49%	49%	3%	0%	35	
Conducting Research	24%	56%	15%	6%	34	
Learning on Your Own	39%	47%	8%	6%	36	

			SFU		
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	27%	57%	13%	3%	1,667
Oral Communication	23%	56%	19%	3%	1,660
Reading and Comprehension	26%	57%	15%	2%	1,682
Group Collaboration	23%	52%	20%	5%	1,691
Critical Anlysis	39%	52%	8%	1%	1,702
Problem Resolution	23%	54%	19%	4%	1,653
Use of Mathematics	20%	45%	27%	8%	1,376
Conducting Research	27%	52%	17%	4%	1,592
Learning on Your Own	35%	51%	10%	3%	1,677







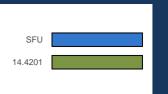
FURTHER EDUCATION

14.4201		SFU	
7	19%	697	41%
5	14%	327	19%
1	3%	258	15%
1	3%	103	6%
29	81%	1,015	59%
36	100%	1,712	100%
	7 5 1 1 29	7 19% 5 14% 1 3% 1 3% 29 81%	719%697514%32713%25813%1032981%1,015

Type of Formal Post-Secondary Education:	14.4201		SFU	
Masters Degree	2	29%	185	27%
Doctoral Degree	1	14%	28	4%
Another Undergraduate Degree	0	0%	147	21%
Certificate or Diploma below Bachelor level	1	14%	129	19%
Professional Association Certification	3	43%	89	13%
Postgraduate Certificate or Diploma	0	0%	81	12%

r oorgraadate oortineate er Dipienta	Ŭ	070	01	1270
Other	0	0%	31	4%
Total	7	100%	690	100%

Detailed Summary of Survey Results Simon Fraser University 14.4201: Mechatronics, robotics, and automation engineering



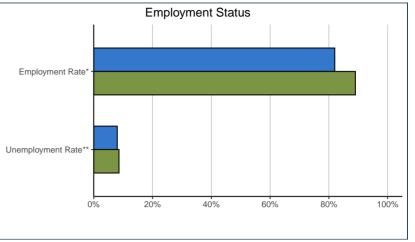
EMPLOYMENT

Labour Fource Status:	14.	14.4201		=U
In Labour Force (working or seeking work)	35	97%	1,542	91%
Not in Labour Force	1	3%	150	9%
Total	36	100%	1,692	100%
Employment:	14.	14.4201		=U
Employment Rate*	32	89%	1,418	82%
Unemployment Rate**	3	8.6%	124	8.0%

Unemployment Rate**

*Percent = Total employed divided by total number of respondents

**Percent = Total unemployed divided by total number in Labour Force



Status of Graduates NOT in Labour Force:	14.4201		SFU	
Attending School FT	0	0%	100	67%
Attending School PT	0	0%	2	1%
Other	1	100%	48	32%
Total NOT in Labour Force	1	100%	150	100%

Primary Employment Type:	14.4201		SFU	
Paid worker	32	100%	1,335	95%
Self-employed	0	0%	73	5%
Total	32	100%	1,408	100%

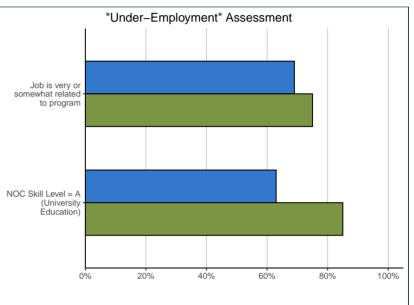
Job Characteristics:	14.4	14.4201		4.4201 SF		FU
I hold more than one job*	2	6%	217	15%		
My main job is full-time (>= 30 hours per week)**	30	97%	1,195	90%		
*Of total Employed						

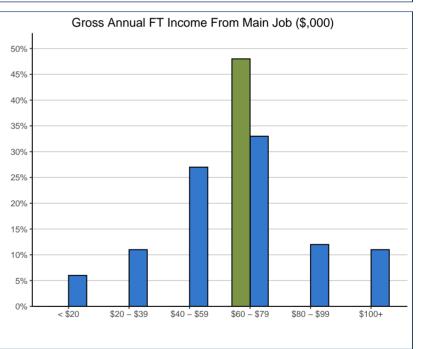


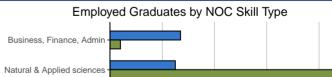
How related is your main job to your program?	14.	14.4201		SFU	
Very Related	4	13%	509	36%	
Somewhat Related	20	63%	471	33%	
Not Very Related	6	19%	216	15%	
Not at All Related	2	6%	219	15%	
Total	32	100%	1,415	100%	

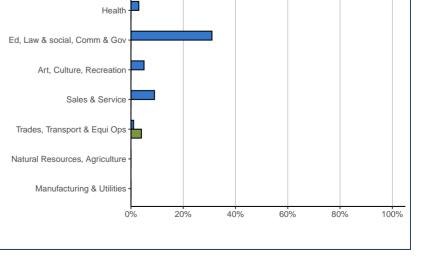
"Under-employment" Assessment:	14.4201		SI	FU
Job is very or somewhat related to program	24	75%	980	69%
NOC Skill Level = A (University Education)*	23	85%	801	63%
*Of total valid responses				

Gross Annual Income from Main Job:*	14.4	14.4201		SFU		
Less than \$20,000	0	0%	59	6%		
\$20,000 to \$39,999	0	0%	113	11%		
\$40,000 to \$59,999	~	~	283	27%		
\$60,000 to \$79,999	10	48%	345	33%		
\$80,000 to \$99,999	~	~	122	12%		
\$100,000 and Above	~	~	110	11%		
Total	21	100%	1,032	100%		
Median Annual Income (full-time) (\$)	76,000		65,000			
Average Annual Income (full-time) (\$)	74,230		69,847			
Where data provided						
	14.4	4201	SI	FU		
Where data provided	14.4	4201 4%	SF 342	FU 27%		
Where data provided NOC Skill Type of Main Job: Business, finance & administration						
Where data provided NOC Skill Type of Main Job: Business, finance & administration Natural & applied sciences & related	1	4%	342	27%		
Where data provided NOC Skill Type of Main Job: Business, finance & administration Natural & applied sciences & related Health	1 25	4% 93%	342 314	27% 25%		
Where data provided NOC Skill Type of Main Job:	1 25 0	4% 93% 0%	342 314 41	27% 25% 3%		
Where data provided NOC Skill Type of Main Job: Business, finance & administration Natural & applied sciences & related Health Education, law and social, community & government	1 25 0 0	4% 93% 0% 0%	342 314 41 389	27% 25% 3% 31%		
Where data provided NOC Skill Type of Main Job: Business, finance & administration Natural & applied sciences & related Health Education, law and social, community & government Art, culture, recreation & sport	1 25 0 0 0	4% 93% 0% 0%	342 314 41 389 59	27% 25% 3% 31% 5%		
Where data provided NOC Skill Type of Main Job: Business, finance & administration Natural & applied sciences & related Health Education, law and social, community & government Art, culture, recreation & sport Sales & service	1 25 0 0 0 0	4% 93% 0% 0% 0%	342 314 41 389 59 110	27% 25% 3% 31% 5% 9%		
Where data provided NOC Skill Type of Main Job: Business, finance & administration Natural & applied sciences & related Health Education, law and social, community & government Art, culture, recreation & sport Sales & service Trades, transport & equipment operators & related	1 25 0 0 0 0 0 1	4% 93% 0% 0% 0% 0% 4%	342 314 41 389 59 110 13	27% 25% 3% 31% 5% 9% 1%		









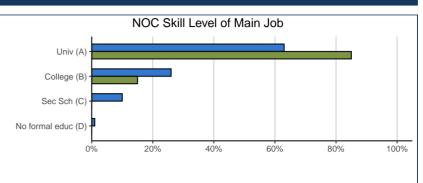
4

Detailed Summary of Survey Results Simon Fraser University 14.4201: Mechatronics, robotics, and automation engineering



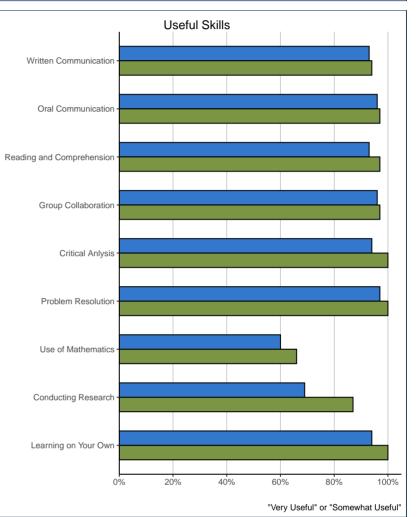
EMPLOYMENT, continued 14.4201 SFU

NOC Skill Level of Main Job:	14.4201		SFU	
A. University education	23	85%	801	63%
B. College education/trade apprenticeship	4	15%	332	26%
C. Secondary school + job-specific training	0	0%	130	10%
D. No formal education	0	0%	16	1%
Total	27	100%	1,279	100%



		14.4201				
How useful are the following skills and abilities in doing your main job?	Very Useful	Somewhat Useful	Not Very Useful	Not at All Useful	# Resp.	
Written Communication	69%	25%	6%	0%	32	
Oral Communication	75%	22%	3%	0%	32	
Reading and Comprehension	78%	19%	3%	0%	32	
Group Collaboration	81%	16%	3%	0%	32	
Critical Anlysis	81%	19%	0%	0%	32	
Problem Resolution	84%	16%	0%	0%	32	
Use of Mathematics	41%	25%	31%	3%	32	
Conducting Research	56%	31%	6%	6%	32	
Learning on Your Own	78%	22%	0%	0%	32	

	SFU				
How useful are the following skills and abilities in doing your main job?	Very Useful	Somewhat Useful	Not Very Useful	Not at All Useful	# Resp.
Written Communication	65%	28%	5%	3%	1,407
Oral Communication	73%	23%	3%	1%	1,404
Reading and Comprehension	66%	27%	4%	2%	1,407
Group Collaboration	74%	22%	3%	1%	1,407
Critical Anlysis	70%	24%	4%	1%	1,408
Problem Resolution	76%	21%	3%	1%	1,405
Use of Mathematics	24%	36%	24%	15%	1,377
Conducting Research	33%	36%	17%	14%	1,383
Learning on Your Own	65%	29%	4%	2%	1,402



Top 10 Full-time Oc	cupations of 14.4201 G	raduates:	14.4201
NOC	NOC Skill Level	Description	% Employed FT in this Occ.**
2132	A	Mechanical engineers	22%
2133	A	Electrical and electronics engineers	16%
*			
*			
*			
*			
*			
*			
*			
*			
* Data not displayed wh	pere n < 5		

* Data not displayed where n < 5</p>

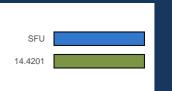
** Percentages cited are of those employed

NOC	NOC Skill Level	Description	% Employed FT in this Occ.**
XXXX	0	Unclassified occupations	7%
4032	А	Elementary school and kindergarten teachers	5%
2173	A	Software engineers and designers	5%
2174	А	Computer programmers and interactive media developers	4%
4031	A	Secondary school teachers	4%
1123	A	Professional occupations in advertising, marketing and public relations	3%
4212	В	Social and community service workers	3%
1111	A	Financial auditors and accountants	2%
2171	A	Information systems analysts and consultants	2%
1221	В	Administrative officers	2%

* Data not displayed where n < 5

** Percentages cited are of those employed

Detailed Summary of Survey Results Simon Fraser University 14.4201: Mechatronics, robotics, and automation engineering

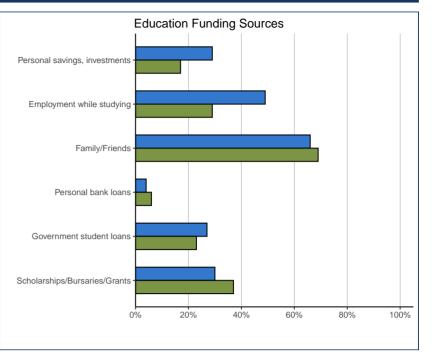


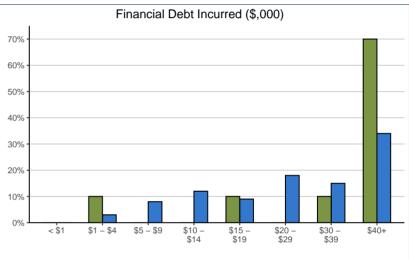
EDUCATION FINANCING

Funding Sources (3 sources allowed):*	14.4	14.4201		=U
Personal savings, investments	6	17%	481	29%
Employment while studying	10	29%	824	49%
Family/Friends	24	69%	1,104	66%
Personal bank loans	2	6%	59	4%
Government student loans	8	23%	457	27%
Scholarships/Bursaries/Grants	13	37%	498	30%
Other	19	54%	437	26%
Total	35		1,671	
* Percentage of respondents who identified this source				

Financial Debt Incurred to Finance Bac. Ed.:*	14.	14.4201		=U
Incurred any form of financial debt	15	45%	612	37%
Incurred government-sponsored student loan debt	8	8 24%		29%
* Percentage of respondents who provided data				

Financial Debt Amount:*	14.4201		201 SFU	
< \$1,000	0	0%	1	0%
\$1,000 to \$4,999	1	10%	13	3%
\$5,000 to \$9,999	0	0%	37	8%
\$10,000 to \$14,999	0	0%	54	12%
\$15,000 to \$19,999	1	10%	39	9%
\$20,000 to \$29,999	0	0%	80	18%
\$30,000 to \$39,999	1	10%	67	15%
\$40,000 or More	7	70%	150	34%
Total	10	100%	441	100%
Median Financial Debt (\$)	40,000		28,000	
* Includes only cases where financial debt was incurred				





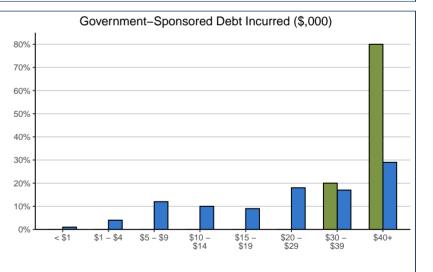
Gov't-Sponsored Student Loan Debt Amount:*	14.	4201	S	FU
< \$1,000	0	0%	2	1%
\$1,000 to \$4,999	0	0%	13	4%
\$5,000 to \$9,999	0	0%	37	12%
\$10,000 to \$14,999	0	0%	31	10%
\$15,000 to \$19,999	0	0%	29	9%
\$20,000 to \$29,999	0	0%	58	18%
\$30,000 to \$39,999	1	20%	53	17%
\$40,000 or More	4	80%	92	29%
Total	5	100%	315	100%

50,000

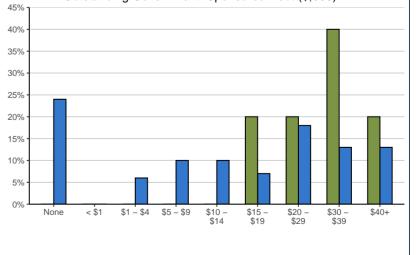
Median Gov't-Sponsored Loan Debt (\$)

* Includes only cases where government-sponsored debt was incurred

Gov't-Sponsored Loan Debt Outstanding:*	14.4201 SFU		FU	
None – Loan repaid in full	0	0%	89	24%
< \$1,000	0	0%	1	0%
\$1,000 to \$4,999	0	0%	21	6%
\$5,000 to \$9,999	0	0%	37	10%
\$10,000 to \$14,999	0	0%	36	10%
\$15,000 to \$19,999	1	20%	27	7%
\$20,000 to \$29,999	1	20%	66	18%
\$30,000 to \$39,999	2	40%	49	13%
\$40,000 or More	1	20%	50	13%
Total	5	100%	376	100%
Median Gov't–Sponsored Loan Debt Outstanding** (\$)	35,000		20,000	



Outstanding Government–Sponsored Debt (\$,000)



* Includes only cases where government–sponsored debt was incurred, and valid "amount remaining" was provided ** Median amounts shown are based on those who had remaining government student loan debt

26,000