

# MICROFILM DIVIDER

OMB/RECORDS MANAGEMENT DIVISION

SFN 2053 (2/85) 5M



ROLL NUMBER

DESCRIPTION

2078

2005 SENATE EDUCATION

SB 2078

2005 SENATE STANDING COMMITTEE MINUTES

BILL/RESOLUTION NO. SB 2078

Senate Education Committee

☐ Conference Committee

Hearing Date 1/12/05

Tape Number	Side A	Side B	Meter #
1	x		-4,060
		x	540
		x	3000-4600
Committee Clerk Signature <i>Patty Welbers</i>			

**Minutes: Relating to eligibility for loans under the technology occupations student loan program and eligibility for loan forgiveness under the teacher shortages loan forgiveness program.**

**Senator Layton Freborg**, Chairman called the meeting to order on SB 2078

**Testimony in support of the Bill:**

**Mike Hillman**, introduced the bill, he is Vice Chancellor for Academic and Student Affairs for the North Dakota University System.

**See attached: written testimony**

**Senator G. Lee** : Does it change the number of applicants significantly by removing that GPA

**Mike Hillman** : We do get a # of applications that are 2.95, 2.99 just under the 3.0, according to the law we are not able to make those work. I would say the # would go up.

**Senator G. Lee** : What kind of occupations are you paying out for now? What programs are being supported with it??

**Mike Hillman :** Technology occupations, how this is defined nationally in comparison to other states, we had an extensive review (meter 4510 ) there is a copy on the web site, this is a very extensive list. We do suggestion from time to time to consider some changes. (meter 4653) define what a technology job is.

**Senator G. Lee :** Is the applicant pool significant enough for you to where you have enough applicants, to spend the \$'s or are you having to prioritize in terms of your money going out.

**Mike Hillman :** The two changes that we are recommending are where there will be some flexibility 1000.00 a yr. for five years. That change is going to coincide with the change that would broaden the GAP ratings. So the board would have some flexibility. Currently there is a balance that we maintain in this program. If the state is looking at maintaining educated technologist in the state of ND. We thought a good way to do that is to change the GPA requirements so that the 3.0 is not required. (Meter 4815) more flexibility, key is to keep someone in the state for the first three years.

**Senator G. Lee :** Currently you have more student applicants than you have money?

**Mike Hillman :** No, we have more money than we have student applicants.

**Senator Flakoll :** Why just totally wipe out the 3.0 , why not scale it back to 2.75 or something, arguably someone could, you'd want to have a probationary type GPA.

**Mike Hillman :** Certainly those are options that this was set in state policy that's what you do with this bill and what we suggested was based on the fact that we thought it was important to someone graduation with an engineering degree. Than rather having a particular GPA. We felt the key thing was to get graduates. If they graduate that's a sign of competency there. To see where that takes us.

**Senator Flakoll :** One of the things that was discussed at the subcommittees was the internship program, the benefits to the student in particular, not so much always the benefit to the employee, the criteria in the university discussed somewhat of a buy down with some of that money, so you would subsidize the employer, to involve that student that you are having here in that internship program?

**Mike Hillman :** This ends up being, and we see this with the teachers shortage program. School districts use this as an incentive to recruit teachers. So it ends up being a benefit to the employers but not so much a buy down. The internships, which we have a good initiative going in the state on internships, ends up being a very complex area. (meter 5255) some are paid and some are not.

**Senator Flakoll:** The money for this is it in SB 2003? How much is there that is being incorporated for this?

**Mike Hillman :** The money for this is in the student loan section SB 2003. Funding for this was all lumped together for this, 1.2 million is for three programs.

**Senator Flakoll :** Do we have a breakdown of how many on each category? Do we have the #'s?

**Mike Hillman :** We have something from the press as of yesterday, legislative session resource guide. We may refer to section 8 pgs. 6 and 7 this has a complete list of teacher shortage list, the graduate and technology, whether it is chemistry or computer science. Also what the occupation of the students are.

**Senator Erbele :** Are the moneys designated so much for teachers so much for technology, do you split it equally between the two? How is that handled.

**Mike Hillman :** We have 3 programs, these two programs, as well as the Doctoral incentive program, all started by the legislature in the 2001 session. In that appropriations bill, there was

specific funding identified separately for each of the three programs. Because that didn't give the board any flexibility in managing the program. For example we don't control the teacher shortage list. We make sure we have money for that, by having a specific appropriation, so in the 2003 session, the three programs were lumped together, which gives the board flexibility to shift funding between the programs.

**Senator Taylor :** If we combine the two where we eliminate the GP requirement and the prevent language of where the state board can do a lesser amt. if you get a huge # of applicants.

**Mike Hillman :** Probably lesser years, and could be a lesser amt.

**Senator Taylor :** What a student could graduate and get buy with a 1.2 and because of not having a floor on the GPA we are going to limit the \$'s that we are paying to everyone, the 3. and 3.5.

**Mike Hillman :** Senator no one would graduate with less than a 2.0 so they would need 2.0 to graduate.

**Senator G. Lee :** How are we making the program known?

**Mike Hillman :** We work very closely with the Bank of ND and when they send out their flyer the print this, we have this on the radio across the state. We think the word is getting out, we do what we can, when we see that school districts send out that students that would be eligible for this program.

**Senator Erbele :** Is there any statistical data that would say GPA and correlation with job performance?

**Mike Hillman :** Interesting question, the higher GPA is more attractive when I am highering someone. But then you have the Bill Gates who doesn't have a college degree and is president of Microsoft. Some people are late bloomers.

**Senator Flakoll :** Is this procedure deemed taxable income?

**Mike Hillman :** I am not at liberty to hazard a guess. My guess is that it would be taxable. Peggy do you have any idea??

**Peggy Wipf :** Financial Aid person in Mike's office. We have been challenged on this by the IRS. We received from them a ruling, we leave it up to the individual to contact the IRS to see how it is interpreted from their end. We stay out of it.

**Senator Freborg :** Then you are not required to send out any statements of income?

**Peggy Wipf :** That is correct.

**Senator Freborg :** You are not required to?

**Peggy Wipf :** Correct

**Senator Freborg :** any other ?'s of Peggy?

**Peggy Wipf :** Could I just make a correction to earlier statement that I advised Mike on. In our appropriations bill SB 2003 the appropriation for the education incentive line item is 830,000.00. the dollar amt. I was quoting you would include carry over dollars. (meter 270)

**Senator Taylor :** Would you be able to get a ball park between that 830,000.00 what the bite down would be between the doctoral, teachers and technology?

**Peggy Wipf :** Initially in the 2001 session, the appropriation break out that started everything, was 400,000.00 for the technology application, 250,000.00 for teacher shortage and 60,000.00

for the doctoral program. There also was a fourth program, teacher retraining but has now been repealed.

**Testimony in opposition of the Bill:**

no opposition

**Neutral:**

**Nancy Sand:** With NDEA, concern is with the language, to forgive a grant in a lesser amt. we would rather report that there was funding provided for enough applicants. (meter 430) I am not sure if I support or oppose this bill.

**Senator Freborg :** We don't take testimony in neutral position.

**Senator Freborg :** closed the hearing on SB 2078

**Senator Flakoll :** Possibly offering up an amendment on the GPA to inch it down, but not to totally wipe it out.

**Senator Freborg :** I have not prepared that yet.

**Senator Flakoll :** I am ready to offer up this amendment to SB 207, pg. 1 line 22. Change the GP minimum from 3.0 to 2.75 is what I would be doing if I would change this.

**Senator Freborg :** We would have to remove the overstrike on all that language and simply change 3.0 to 2.75?

**Senator Flakoll :** Correct

**Senator Freborg :** That is easy to understand do you have another one?

**Senator Flakoll :** Moved to amend SB 2078 to remove the overstrikes on lines page, 1 lines 22 and 23. Replace 3.0 GPA overstrike that and add 2.75

**Senator G. Lee :** Second the motion



**Senator Erbele :** Not all of the \$ being used I would like to see it not having any caps to it, try to get the money all used up. Then as I stated earlier, some that are late bloomers or some just work hard for that degree and can't do any better than just pass, but have a tremendous work ethic and if they bring that into the workplace. There are some 4.0 students that are brilliant, but don't know how to tie there shoes. I would oppose it. Once the money is if there are more applicants than \$'s I guess we could answer that then.

**Senator G. Lee :** In some respects I do agree with Senator Erbele, there needs to be some degrees of proficiency, certain criteria for this program. 2.75 seems to be a reasonable # that we can work with.

**Senator Freborg :** Could you repeat that.

**Senator G. Lee :** We overuse grades to a point, but I think there needs to be a floor there, that's and acceptable standard, above what the minimum criteria should be for some of these types of programs. 2.75 I believe is a reasonable #.

**Senator Flakoll :** We all have heard about GP creek that happens, over that last how many yrs. that 2.75 in below what the average college student has. One important area in terms of teachers.

**Senator Erbele :** I would need to argue the point, why do we grant a degree at 2.0. Why don't we raise the bar for a degree as well. My best teachers I hired were my C student teachers. The 4.0 teachers were with the mentality of I don't know why you are getting this.

**Senator Flakoll :** 2.75 is a C+ , this is just an incentive to try to excel to make sure they go to class and do well, to try to learn the things that are deemed important by the university system. This may encourage the student. Afraid they may not put forth as much effort to do well.

**Senator Erbele :** Can I split the difference.

**Senator Flakoll :** I'd be willing to lower the level to if splitting the difference is 2.65 that's fine.

**Senator G. Lee :** I don't think 2.75 is not an excessive # I think it is on the lower end, I think it does offer incentive. You need a little more of a push to do better. I think we should keep it at a higher standard.

**Senator Freborg :** anything else? we will vote on the amendment.

Clerk took the roll, failed 3-3-0

**Senator Freborg :** Motion failed

**Senator Flakoll :** Moved the previous amendment with the exception to change the 3.0 to 2.50.

**Senator Taylor :** Second the motion

**Senator Freborg :** Clerk take the roll on motion to amend 2078. pg. 1 lines 21 and 23 removing the overstrike and change 3.0 to 2.50.

**Senator Flakoll :** Motion a do pass as amended on SB 2078

**Senator Taylor :** Second

There being no other discussion roll call vote was taken. vote: 5-1-0.

**Senator Flakoll,** will carry the bill

The meeting was adjourned.

2005 SENATE STANDING COMMITTEE MINUTES

BILL/RESOLUTION NO. SB 2078

Senate Education Committee

☐ Conference Committee

Hearing Date January 18, 2005

Tape Number	Side A	Side B	Meter #
1		x	3015 - 3150
Committee Clerk Signature <i>Patty Wilkins</i>			

Minutes:

Chairman Freborg opened the discussion on SB 2078.

Senator Flakoll said there was some discussion about if there was some money left over, rather than dropping the grade point average, what about awarding more per person. He talked to someone from the North Dakota University System who said the technology recipients have an average indebtedness at the state bank of \$8000. This represents a pretty good percentage of that, if they get the full \$5000. The average teachers in the program have loans of \$11,000 so this could pay off up to half of that. Based on the high percentage we are giving to pay off their loans, he doesn't think there is much reason to pull the bill back.

Senator Freborg said if Senator Flakoll wants it back, we can get it back.

Senator Flakoll said he is very comfortable with it now.

Chairman Freborg moved on to other business of the committee.

# FISCAL NOTE

Requested by Legislative Council  
12/17/2004

Bill/Resolution No.: SB 2078

**1A. State fiscal effect:** *Identify the state fiscal effect and the fiscal effect on agency appropriations compared to funding levels and appropriations anticipated under current law.*

	2003-2005 Biennium		2005-2007 Biennium		2007-2009 Biennium	
	General Fund	Other Funds	General Fund	Other Funds	General Fund	Other Funds
Revenues	\$0	\$0	\$0	\$0	\$0	\$0
Expenditures	\$0	\$0	\$0	\$0	\$0	\$0
Appropriations	\$0	\$0	\$0	\$0	\$0	\$0

**1B. County, city, and school district fiscal effect:** *Identify the fiscal effect on the appropriate political subdivision.*

2003-2005 Biennium			2005-2007 Biennium			2007-2009 Biennium		
Counties	Cities	School Districts	Counties	Cities	School Districts	Counties	Cities	School Districts

**2. Narrative:** *Identify the aspects of the measure which cause fiscal impact and include any comments relevant to your analysis.*

SB2078 removes some restrictive eligibility criteria for the technology occupations loan program, which is expected to broaden the applicant pool; however, this does not automatically result in an increased number of awards.

Proposed changes for both the technology occupations and teacher shortage loan forgiveness programs, provides permissive language to allow the State Board of Higher Education (SBHE) to establish an award level that may not exceed \$1,000 per year and a total of \$5,000. This permissive language permits the SBHE to adjust award levels within the appropriation levels established by the Legislative Assembly.

No material fiscal impact is anticipated for either program under the proposed changes.

**3. State fiscal effect detail:** *For information shown under state fiscal effect in 1A, please:*

**A. Revenues:** *Explain the revenue amounts. Provide detail, when appropriate, for each revenue type and fund affected and any amounts included in the executive budget.*

**B. Expenditures:** *Explain the expenditure amounts. Provide detail, when appropriate, for each agency, line item, and fund affected and the number of FTE positions affected.*

**C. Appropriations:** *Explain the appropriation amounts. Provide detail, when appropriate, of the effect on the biennial appropriation for each agency and fund affected and any amounts included in the executive budget. Indicate the relationship between the amounts shown for expenditures and appropriations.*

<b>Name:</b>	Laura Glatt	<b>Agency:</b>	NDUS
	328-4116		

PROPOSED AMENDMENTS TO SENATE BILL NO. 2078

Page 1, line 22, remove the overstrike over "~~Must have maintained at least a~~", after "3.0" insert "2.5", and remove the overstrike over "~~grade point average, based on a~~"

Page 1, remove the overstrike over line 23

Page 2, line 1, remove the overstrike over "~~d.~~"

Page 2, line 3, remove the overstrike over "~~e.~~" and remove "d."

Page 2, line 5, remove the overstrike over "~~f.~~" and remove "e."

Page 2, line 7, remove the overstrike over "~~g.~~" and remove "f."

Renumber accordingly

Date: 1/12/05  
Roll Call Vote #: /

2005 SENATE STANDING COMMITTEE ROLL CALL VOTES  
BILL/RESOLUTION NO. 2078

Senate SENATE EDUCATION Committee

☐ Check here for Conference Committee

Legislative Council Amendment Number \_\_\_\_\_

Action Taken Amendment

Motion Made By Flakoll Seconded By Lee

Senators	Yes	No	Senators	Yes	No
CH- SENATOR FREBORG		✓	SENATOR SEYMOUR		✓
V-CH- SENATOR G. LEE	✓		SENATOR TAYLOR	✓	
SENATOR ERBELE	✓	✓			
SENATOR FLAKOLL	✓				

Total (Yes) 3 No 3

Absent \_\_\_\_\_

Floor Assignment \_\_\_\_\_

If the vote is on an amendment, briefly indicate intent:

Failed

Date: 1/12/05  
Roll Call Vote #: 2

**2005 SENATE STANDING COMMITTEE ROLL CALL VOTES**  
**BILL/RESOLUTION NO. 2078**

Senate SENATE EDUCATION Committee

☐ Check here for Conference Committee

Legislative Council Amendment Number \_\_\_\_\_

Action Taken amendment

Motion Made By Flakoll Seconded By Taylor

Senators	Yes	No	Senators	Yes	No
CH- SENATOR FREBORG	✓		SENATOR SEYMOUR	✓	
V-CH- SENATOR G. LEE		✓	SENATOR TAYLOR	✓	
SENATOR ERBELE	✓				
SENATOR FLAKOLL	✓				

Total (Yes) 5 No 1

Absent 0

Floor Assignment \_\_\_\_\_

If the vote is on an amendment, briefly indicate intent:

Roll Call Vote #: 3

**2005 SENATE STANDING COMMITTEE ROLL CALL VOTES**  
**BILL/RESOLUTION NO. 2074**

Senate SENATE EDUCATION

## Committee

☐ Check here for Conference Committee

Legislative Council Amendment Number

### Action Taken

Do Pass<sup>ed</sup> Amended

**Motion Made By**

FlaKoll

## Seconded By

Taylor

[illegible]**Total**

(Yes)

5

No

2

**Absent**

## Floor Assignment

Flakoll

**If the vote is on an amendment, briefly indicate intent:**



**REPORT OF STANDING COMMITTEE**

**SB 2078: Education Committee (Sen. Freborg, Chairman) recommends AMENDMENTS AS FOLLOWS** and when so amended, recommends **DO PASS** (5 YEAS, 1 NAY, 0 ABSENT AND NOT VOTING). SB 2078 was placed on the Sixth order on the calendar.

Page 1, line 22, remove the overstrike over "~~Must have maintained at least a~~", after "~~3.0~~" insert "2.5", and remove the overstrike over "~~grade point average, based on a~~"

Page 1, remove the overstrike over line 23

Page 2, line 1, remove the overstrike over "~~d.~~"

Page 2, line 3, remove the overstrike over "~~e.~~" and remove "d."

Page 2, line 5, remove the overstrike over "~~f.~~" and remove "e."

Page 2, line 7, remove the overstrike over "~~g.~~" and remove "f."

Renumber accordingly

2005 HOUSE EDUCATION

SB 2078

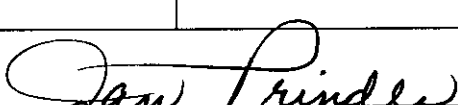
2005 HOUSE STANDING COMMITTEE MINUTES

BILL/RESOLUTION NO. SB 2078

House Education Committee

☐ Conference Committee

Hearing Date **15 February 2005**

Tape Number	Side A	Side B	Meter #
1	X		0 - 940
	X		3,660 - 4188
Committee Clerk Signature 			

Minutes:

**Chairman Kelsch** opened the hearing of SB 2078.

**Mike Hillman**, vice chancellor for Academic and Student Affairs for the ND University System, testified in favor of the bill. **(Testimony attached.)**

**Rep. Hawken:** . . . not to exceed a \$1000 per year and a total of \$5000. Is that per person? Or in total? You could do less if you had more applicants?

**Hillman:** That's per person. The legislature initially provided \$400,000 to support the technology occupations loan forgiveness program. Which would mean that we could fund about 200 graduates a year for each of two years of the biennium. We only had 107 qualified applicants last year so what we are looking at is ways to increase the number of qualified applicants. To do that we may get 203 so we would need to reduce it a little bit.

**Rep. Mueller:** Why are we dropping for 3 to 2.5 GPA.

**Hillman:** Again, to increase the number of qualified applications. In the house bill that previously gone through this committee, you did support that change.

**Rep. Sitte:** I think we dropped the internship in HB 1387. Are you still requiring the internship here?

**Hillman:** The house bill that came through your committee earlier did suggest eliminating the internship entirely. That has not gone through the senate yet. So what we are doing is suggesting this change which is based on students' recommendations. The single largest employer of ND university system grads is the state of the ND. They would like to do internships with state government. At the time this bill was developed the thinking was that it only referred to an internship with a business entity. Is the State of ND a business? That's a bit of a gray area so this particular change was discussed before your committee eliminated the internships. That bill hasn't gone all the way through and we thought we should continue with this and if the internship doesn't disappear then it should be clarified.

**Deana Wiese, assistant executive director of the Information Technology Council of ND,** testified in support of SB 2078. (Testimony attached.)

**Rep. Sitte:** If we don't delete "d" on top of page 2 we're going to prohibit some from receiving scholarships. Do you feel it is mandatory to have an internship?

**Wiese:** No, we support HB 1387 which took out the internship also. We would like to have as many people as people as possible get the scholarship. We are though concerned about the quality of graduates.

**There being no further testimony, Chairman Kelsch closed the hearing on HB 2078.**

**Discussion of SB 2078 was opened at a later time.**

Page 3

House Education Committee

Bill/Resolution Number **SB 2078**

Hearing Date **15 Feb 05**

**Rep. Herbel:** I was gone during the testimony this morning, could you catch me up.

**Chairman Kelsch** gave a brief synopsis of the bill for him.

**Rep. Norland:** I suggest we hold this bill until after crossover in order to see what develops with HB 1037.

**Chairman Kelsch:** We can amend it taking out section D if we want. I would be good to see if our bill passes over in the Senate then we don't need to worry about it because they are reconciled in the end.

**Rep. Haas:** Where does the money come from that SBHE gives to the Bank of North Dakota?

**Chairman Kelsch:** They have a \$400,000 appropriation that is in SBHE's budget. It was first funded in 2001. We don't have it in the fiscal note because it's funded through the SBHE.

**Chairman Kelsch:** We'll just wait on this to see what develops for HB 1037.

Adjourned.

2005 HOUSE STANDING COMMITTEE MINUTES

BILL/RESOLUTION NO. **SB 2078**

House Education Committee

☐ Conference Committee

Hearing Date **1 March 2005**

Tape Number	Side A	Side B	Meter #
1	X		1450 - 1900
Committee Clerk Signature <i>Jan Prindle</i>			

Minutes:

**Chairman Kelsch** opened discussion of **SB 2078**. If you will recall that is the bill where we had the like bill that we sent over to the Senate. Because this bill has more to it and to amend the other bill they would have to add a lot more language to it. The Senate thought it would be easier if we just amended this bill. All we need to do is on page two, remove lines 5 and 6. Is that correct? This is so they don't have had to participate in an internship.

**Rep. Sitte:** In my notes I have on Page 2, remove d which is lines 1 and 2.

**Chairman Kelsch:** Right, remove d. Then this is going to be the vehicle we will use and the Senate is going to defeat the other bill.

**Rep. Norland:** I make a motion to amend it as directed by the Chairman.

**Rep. Sitte:** I second.

**Chairman Kelsch:** We would remove on page 2 of SB 2078, lines 1 and 2, that deal with having to had a working technology internship in order to qualify for the loan forgiveness program.

**Rep. Meier:** If you could refresh my memory. Do you remember where the money for the SBHE to pay the \$400,000 appropriation.

**Chairman Kelsch:** They have a fund that has been set up that pays these loan forgiveness programs. We appropriate money to SBHE to be for this. It's in there in their budget. If you recall we had that young man come in here and he didn't have an internship and he was working for ITV. I think there are plenty of kids that don't actually have an internship and this would help them if they could still have the loan forgiveness.

**A voice vote was taken. Carried.**

**Rep. Sitte:** I move a do pass as amended.

**Rep. Haas:** I second.

A roll call vote was taken.

**Yes: 13 No: 0 Absent: 1 (Johnson)**

Rep. Sitte will carry the bill.

PROPOSED AMENDMENTS TO ENGROSSED SENATE BILL NO. 2078

Page 2, line 1, overstrike "Must have actively participated", remove "before graduation", and overstrike "in a board-approved"

Page 2, line 2, overstrike "technology internship with a business", remove "or governmental entity", and overstrike "in the state;"

Page 2, line 3, overstrike "e."

Page 2, line 5, overstrike "f." and insert immediately thereafter "e."

Page 2, line 7, overstrike "g." and insert immediately thereafter "f."

Renumber accordingly



Date: 1 Mar  
Roll Call Vote #: 1

2005 HOUSE STANDING COMMITTEE ROLL CALL VOTES  
BILL/RESOLUTION NO. 2078

House Education Committee

☐ Check here for Conference Committee

Legislative Council Amendment Number \_\_\_\_\_

Action Taken Amend 2078 remove page 2 Lines 1+2

Motion Made By Norland Seconded By Sitte

Representatives	Yes	No	Representatives	Yes	No
Chairman Kelsch			Rep. Hanson		
Vice Chairman Johnson			Rep. Hunsakor		
Rep. Haas			Rep. Mueller		
Rep. Hawken			Rep. Solberg		
Rep. Herbel					
Rep. Horter					
Rep. Meier					
Rep. Norland					
Rep. Sitte					
Rep. Wall					

Total (Yes) 13 No 0

Absent 1 (Johnson)

Floor Assignment \_\_\_\_\_

If the vote is on an amendment, briefly indicate intent:

Date: 1 May 05  
Roll Call Vote #: 2

**2005 HOUSE STANDING COMMITTEE ROLL CALL VOTES**  
**BILL/RESOLUTION NO. 2078**

House Education Committee

☐ Check here for Conference Committee

Legislative Council Amendment Number \_\_\_\_\_

Action Taken No Pass as amended

Motion Made By Sitte Seconded By Haas

Representatives	Yes	No	Representatives	Yes	No
Chairman Kelsch	✓		Rep. Hanson	✓	
Vice Chairman Johnson	0		Rep. Hunsakor	✓	
Rep. Haas	✓		Rep. Mueller	✓	
Rep. Hawken	✓		Rep. Solberg	✓	
Rep. Herbel	✓				
Rep. Horter	✓				
Rep. Meier	✓				
Rep. Norland	✓				
Rep. Sitte	✓				
Rep. Wall	✓				

Total (Yes) 13 No 0

Absent 1 (Johnson)

Floor Assignment Sitte

If the vote is on an amendment, briefly indicate intent:

**REPORT OF STANDING COMMITTEE**

**SB 2078, as engrossed: Education Committee (Rep. R. Kelsch, Chairman) recommends AMENDMENTS AS FOLLOWS and when so amended, recommends DO PASS (13 YEAS, 0 NAYS, 1 ABSENT AND NOT VOTING). Engrossed SB 2078 was placed on the Sixth order on the calendar.**

Page 2, line 1, overstrike "Must have actively participated", remove "before graduation", and overstrike "in a board-approved"

Page 2, line 2, overstrike "technology internship with a business", remove "or governmental entity", and overstrike "in the state;"

Page 2, line 3, overstrike "e."

Page 2, line 5, overstrike "f." and insert immediately thereafter "e."

Page 2, line 7, overstrike "g." and insert immediately thereafter "f."

Renumber accordingly

2005 SENATE EDUCATION

CONFERENCE COMMITTEE

SB 2078

2005 SENATE STANDING COMMITTEE MINUTES

BILL/RESOLUTION NO. SB 2078

Senate Education Committee

☒ Conference Committee

Hearing Date 03/23/05

Tape Number	Side A	Side B	Meter #
2	x		0-834
Committee Clerk Signature <i>Patty Wilkins</i>			

**Minutes: Relating to eligibility for loans under the technology occupations student loan program and eligibility for loan forgiveness under the teacher shortages loan forgiveness program.**

**Senator Flakoll :** Called the conference committee to order on SB 2078

**All committee members were present.**

**Rep. Sitte :** I did carry HB 1387 we heard testimony from Joshua Ternes, he works here in the capitol and he is one of four web designers for the state ITV. He had several friends and he told us his story of how he cannot get forgiveness, he has gotten some, but won't be able to continue to get it b/c he didn't do internship, instead he landed a job right out of college. So, after listening to him and another situation they told us about is that the Universities don't always do a good job of notifying people about this loan forgiveness program. If schools don't tell students then it is pretty hard for them. Also I gave you a copy of testimony from Rep. David Monson, in the middle of that he talks about one of the stipulations is that they must complete an internship of

the company before graduation. One of the more recent graduates have said this is a problem, many students in our colleges and Universities, have been told for years that in order to get the best and highest paying jobs that they would have to look outside of ND. Little did they know that they actually get a good job offer from a ND company upon graduation. When deciding whether to accept that job, they would look at various incentives that have been put in place, so in another case, I know that one of my sons in engineering at NDSU was recruited to do his internship in Minnesota, so there are a lot of situations that would preclude these students from receiving a loan forgiveness. We thought that this would be wise so that as many people as possible take advantage of this program.

**Senator Flakoll :** Do you know how many might or more people might be able to apply for this if we were to open this up?

**Rep. Sitte :** I am sorry I don't.

**Rep. Mueller :** I did do a little background checking on that very issue, Mr. Hillman from the University system and he said that we have had about 100 students involved in this particular segment of loan forgiveness for technology students, and he said they actually had the money for 200. So the effort to lighten the load a little bit on enticing the folks to get involved with this, to move it closer from 100 to 200, that is really the genesis and reason of the bill to begin with.

**Senator Flakoll :** Speaking specifically technology, correct?

**Rep. Mueller :** Correct.

**Senator G. Lee :** I think what we did was that we folded HB 1387 into this bill 2078 and that was the intent that we would take that language out. I worked with Rep. Kelsh on doing that and I think there was just some miscommunication on how that was to come about.

**Senator Flakoll :** This is accurate b/c I wasn't aware of the goings on, one VS the other. To be the carrier of 2078.

**Rep. Mueller :** To identify the issue, I think, and correct me if I am wrong Senators, the issue is the striking of the internship language, that Rep. Sitte spoke to, but we just plain took D on page 2 of the bill out. I am guessing that is our issue right? Is it not?

A consensus was correct.

**Rep. Mueller :** Talking with the NDSU people, their intent, their desire and hope is to get more folks qualified for the loan forgiveness program. They want to make it as easy as they can, to eliminate the internship. The House committee would then step in that direction.

**Senator Seymour :** Also alternatives to internships, like at Minot State University we have a capstone course in our computer information program where they work with employers. Their course is that they go and do a project for an employer and then come back and present it to the professor and employer, getting a better experience sometimes. This is more controlled than working with the real world.

**Senator G. Lee :** I will so move to accept the motion to that the Senate accede to the House amendments.

**Senator Seymour** second this motion.

**Senator Flakoll :** I think the general intent of all the people that heard that bill or around it is that we would try to fill as close as we can to the 200 without creating any unforeseen problems. We may have to come and revisit some of these next session b/c we have also changed the GPA requirements.

**Senator Flakoll indicated that the Senate accede to the House amendments.**

Page 4

Senate Education Committee

Bill/Resolution Number SB 2078

Hearing Date 03/23/05

**Hearing no other discussion, clerk took the roll, Vote : 6 yea, 0 nay, 0 absent.**



REPORT OF CONFERENCE COMMITTEE  
(ACCEDE/RECEDE) - 420

07398

(Bill Number) 2078 (, as (re)engrossed):

Your Conference Committee

For the Senate:

Sen Flakoll y  
Sen Lee y  
Sen Seymour y

For the House:

Rep Sittle y  
Rep Harter y  
Rep Mueller y

☐ recommends that the (SENATE/HOUSE) (ACCEDE to) (RECEDE from)  
723/724 725/726 S724/H726 S723/H725  
the (Senate/House) amendments on (SJ/HJ) page(s) \_\_\_\_\_ - \_\_\_\_\_

☐ and place \_\_\_\_\_ on the Seventh order.  
727

☐ , adopt (further) amendments as follows, and place  
\_\_\_\_\_ on the Seventh order:

☐ having been unable to agree, recommends that the committee be discharged  
and a new committee be appointed. 690/515

((Re)Engrossed) \_\_\_\_\_ was placed on the Seventh order of business on the  
calendar.

DATE: 3/23/05

CARRIER: St. Kill

LC NO. \_\_\_\_\_ of amendment

LC NO. \_\_\_\_\_ of engrossment

Emergency clause added or deleted \_\_\_\_\_

Statement of purpose of amendment \_\_\_\_\_

(1) LC (2) LC (3) DESK (4) COMM.

**Insert LC: .**

**REPORT OF CONFERENCE COMMITTEE**

**SB 2078, as engrossed:** Your conference committee (Sens. Flakoll, G. Lee, Seymour and Reps. Sitte, Horter, Mueller) recommends that the **SENATE ACCEDE** to the House amendments on SJ page 768 and place SB 2078 on the Seventh order.

Engrossed SB 2078 was placed on the Seventh order of business on the calendar.

2005 TESTIMONY

SB 2078

Testimony before  
Senate Education Committee  
January 12, 2005  
SB 2078

Mr. Chairman and members of the Senate Education Committee, my name is Mike Hillman and I am Vice Chancellor for Academic and Student Affairs for the North Dakota University System.

Senate Bill No. 2078 is a bill introduced on behalf of the State Board of Higher Education that relates to the Technology Occupations and Teachers Shortage Student Loan Forgiveness Programs.

The Technology Occupations Student Loan Program, a student loan forgiveness program, was first funded by the Legislature in 2001. The intent of the program is to reduce student loan indebtedness for individuals who have graduated in a technology related field, completed an internship with a business located in North Dakota, and been employed in a technology occupation in North Dakota for one year.

The Teacher Shortage Loan Forgiveness Program is also a student loan forgiveness program first funded by the Legislature in 2001. The intent of this program is to reduce student loan indebtedness for teachers employed in North Dakota at grade levels and/or content areas identified by the Department of Public Instruction as having a teacher shortage.

The suggested change in Section 1, 2. c. of SB 2078 removes some restrictive criteria for the Technology Occupations Student Loan Forgiveness Program, specifically, that a graduate must have maintained at least a 3.0 grade point average, based on a 4.0 grading system, at a board approved college. Additionally, Section 1, 2. c.

(renumbered), clarifies that a graduate must have completed an internship prior to graduation with a business or governmental entity in this state.

The suggested changes in Section 1, 3. and Section 2. 4. is permissive language to allow the State Board of Higher Education (SBHE) to establish an award level that may not exceed \$1,000 per year and a total of \$5,000. This permissive language permits the SBHE to adjust award levels within the appropriation levels established by the Legislative Assembly. All of the suggested changes are based on the State Board's experience with managing these loan forgiveness programs for the State of North Dakota.

Mr. Chairman and Senate Education Committee members, on behalf of the State Board of Higher Education, I urge your support of these changes to Senate Bill No. 2078 and will try to answer your questions on these recommendations.

# NORTH DAKOTA UNIVERSITY SYSTEM

## PROCEDURES MANUAL

**Subject:** STUDENT AFFAIRS

**Effective:** November 3, 2004

### **Procedure:** 508.1.1 Technology Occupations Student Loan Program

---

The intent of this program is to reduce student loan indebtedness for individuals who have graduated in a technology related field, completed an internship with a business located in North Dakota, and been employed in a technology occupation in North Dakota for one year.

The number of funded applicants is limited and contingent upon legislative appropriations; therefore, not all qualified applicants are assured funding. All qualified applicants for this Program will be considered in chronological order by the date the application is received in the North Dakota University System office (NDUS) and as further defined in Section 3.

The Bank of North Dakota is responsible for applying loan forgiveness payments for funded recipients by July 30<sup>th</sup> of each year. **The NDUS will notify all funded recipients of their award by July 30<sup>th</sup> of each year; no notice will be sent to applicants not funded.**

Funding recipients are eligible to receive up to \$1000 per year in continued loan forgiveness, for each consecutive year they are employed in an approved technology occupation in North Dakota, up to a maximum of 3 years or \$3,000. Individuals must apply or re-apply annually for new or continued funding.

#### **Section 1 – Qualifications**

To qualify for the Technology Occupations Student Loan Program, an applicant:

- a. Must have graduated from a board-approved college;
- b. Must have successfully completed a board-approved technology-related program;
- c. Must have maintained at least a cumulative 3.0 grade point average based on a 4.0 grading system, at a board-approved college;
- d. Must have actively participated in a board-approved technology internship with a business located in North Dakota;
- e. Must have a student loan with the Bank of North Dakota or other participating lender and not be in default on that student loan;
- f. Following graduation, must have been employed in a board-approved technology occupation in North Dakota; and

- g. In order to receive continued funding, must continue to meet all qualifications.

## **Section 2 – Terms and Definitions**

- a. **Board-approved college** means a postsecondary institution recognized by the U.S. Department of Education and accredited by regional, national, professional or specialized accrediting bodies.
- b. **Board-approved technology related program** means programs listed on Table 1—Technology Program Areas and Codes. These are broadly based upon North Dakota's six New Economy Initiative Clusters, i.e., flexible food manufacturing, information technology, aerospace, tourism, energy, and advanced/agile manufacturing with the categories defined by the National Center for Education Statistics' Classification of Instructional Programs.
- c. **Technology Job Occupations and Codes** means the technology related Department of Labor job classifications as found in Table 2—Technology Job Occupations and Codes.
- d. **Board-approved technology internship** means course of study that included a co-operative learning experience for credit (ex. internship, externship) with a business located in North Dakota, prior to graduation.
- e. **Cumulative grade point average** means grade point average at graduation using a 4.0 grading scale (no rounding).
- f. **Default** means failure to repay a loan according to the terms agreed to when you signed a promissory note. Default may also mean failure to submit requests for deferment or cancellation on time.
- g. **Student Loan** means Federal Family Education Loan (FFEL) – Stafford subsidized, unsubsidized and FFEL Consolidated loans as well as the Dakota Education Alternative Loan (DEAL) obtained through the Bank of North Dakota as a lender, William D. Ford Federal Direct Loan – subsidized and unsubsidized loans, Federal Perkins Loan, FFEL or William D. Ford Federal Direct Consolidated Loans.

## **Section 3 – Technology Occupations Student Loan Program Procedures**

- a. Applications for this program may be obtained by: (1) calling the NDUS at (701) 328-4114; (2) writing the NDUS at 600 East Boulevard Avenue – Dept. 215, Bismarck, ND 58505-0230; or (3) accessing the NDUS web site at [www.ndus.nodak.edu](http://www.ndus.nodak.edu) and clicking on Student Information/Financial Aid.

**Applications will not be accepted prior to May 1. A completed application must be received in the NDUS no later than June 30. Applications should be mailed, faxed**

or delivered to: Director of Financial Aid, NDUS, 600 East Boulevard Avenue --  
Dept. 215, Bismarck, ND 58505-0230.

A completed application **must** include a statement signed by the personnel director or CEO of the applicant's employer verifying that the applicant is employed full-time in one of the defined technology occupations and the length of employment.

- b. Applications for the Technology Occupations Student Loan Program will be considered in chronological order by the date the completed application is received as follows: priority will be given first to those funded recipients who continued to be employed in North Dakota for an additional 12 consecutive months in a certified technology area, then to new applicants beginning with applicants employed for 12 months immediately following graduation.

Summary of forms to be completed and returned to NDUS office:

1. Application
2. Final college transcript that reflects degree earned and the date received (attach copy for verification purposes)

Questions about the program and procedures for making application should be directed to:

Financial Aid Director  
North Dakota University System  
600 East Boulevard Avenue -- Dept. 215  
Bismarck, ND 58505-0230  
Phone: (701) 328-4114

**REFERENCE:** SBHE Policy 508.1

**HISTORY:** Chancellor's Cabinet Meeting, November 14, 2001

*Editorial changes made 1/15/02*

*Editorial changes made 3/13/02*

Chancellor's Cabinet reviewed suggested changes, listserv message sent October 21, 2002. Amendments reviewed and approved by Chancellor, October 25, 2002.

Chancellor's Cabinet Meeting, September 2003.

Chancellor's Cabinet Meeting, November 2004.



# NORTH DAKOTA UNIVERSITY SYSTEM

The Vital Link to a Brighter Future

## Application for Technology Occupations Student Loan Forgiveness Program

- Follow instructions carefully
- Print or type
- Disclosure of your Social Security number is voluntary. Social Security numbers are used as an individual ID number for record keeping and administrative purposes. If you do not disclose your Social Security number, an individual ID number will be assigned. Failure to provide a social security number may cause delays in administrative services such as financial aid processing.
- Questions about the program or procedures for making application should be directed to Peggy Wipf at 701.328.4114.

### General Information

Name (Last, First, Middle Initial)	Social Security No.	Daytime Phone No.
Present Mailing Address	City	State/Zip Code
Permanent Mailing Address (if different)	City	State/Zip Code

### Education

Did you graduate from a campus technology related major as defined in Table 1? <input type="checkbox"/> Yes <input type="checkbox"/> No
• If yes, the Program CIP Code for that major is: ____ - ____ - ____
List Technology Job Occupation Code (Reference Table 2): ____ - ____ - ____
Did you have a cumulative grade point average of at least 3.0 on a 4.0 scale in your college studies? <input type="checkbox"/> Yes <input type="checkbox"/> No (Attach copy of final college transcript)

### Internship

Did you complete an internship with this program of study? <input type="checkbox"/> Yes <input type="checkbox"/> No	
• If yes, list the following (per transcript):	
Course Prefix, Number, and Title (per transcript)	
Company Name	Company Address
Contact Person	Daytime Phone #

### Loan Information

Do you have an outstanding student loan obtained through the Bank of North Dakota as a lender or other participating lender? <input type="checkbox"/> Yes <input type="checkbox"/> No	
• If yes, indicate which loan you wish to have reduced under this program: (check only one)	
<input type="checkbox"/> FFEL Stafford (subsidized)	<input type="checkbox"/> William D. Ford Federal Direct Loan (subsidized)
<input type="checkbox"/> FFEL Stafford (unsubsidized)	<input type="checkbox"/> William D. Ford Federal Direct Loan (unsubsidized)
<input type="checkbox"/> FFEL Consolidated Loan	<input type="checkbox"/> William D. Ford Federal Direct Consolidated Loan
<input type="checkbox"/> Dakota Educational Alternative Loan (DEAL)	<input type="checkbox"/> Federal Perkins Loan
Amount owed on this loan:	as of : (Date)

If approved, I wish to have my loan forgiveness payment sent to the following holder of my student loan:

Name of Financial Institution	Phone No.	
Address	City	State/Zip Code

### Statement of Certification and Authorization to be Completed by Applicant

I hereby certify that the information contained on this application is true and correct. I understand that I have the specific responsibility for applying for the Technology Occupations Student Loan Program each year. I also give my employer permission to release to the North Dakota University System any information that may be needed to verify the contents of my application, and for the North Dakota University System to share this information with the Bank of North Dakota or other participating lender to process payment of my outstanding loan.

\_\_\_\_\_  
Signature of Applicant

\_\_\_\_\_  
Date

### Statement of Certification by Personnel Director and/or CEO of Company

I hereby certify that \_\_\_\_\_ (name of applicant) with social security number of \_\_\_\_\_ was employed full time with \_\_\_\_\_ (name and location of company in North Dakota) during the period of \_\_\_\_\_ (list complete dates of employment, e.g. June 1, 2004 - June 1, 2005) in an occupation which can be classified as a technology job occupation SOC code number \_\_\_\_ - \_\_\_\_ as defined in Table 2.

\_\_\_\_\_  
Printed name and title of authorized official

\_\_\_\_\_  
Daytime Phone Number

\_\_\_\_\_  
Signature of authorized official

\_\_\_\_\_  
Date

**Return application, certifications, and transcript to:**

**Technology Occupations Loan Forgiveness  
North Dakota University System  
600 E Boulevard Ave Dept 215  
Bismarck ND 58505-0230**

P:\NDUS Procedures\P-508.1.1.doc

# North Dakota University System - Table 1 Technology Program Areas and Codes List of Active Programs 2002

(Derived from 2000 Draft CIP's, United States Department of Education)

CIP	Program Areas	CIP	Program Areas	CIP	Program Areas	CIP	Program Areas
01.0201	Agricultural Mechanization, General • Agricultural Systems Management - NDSU	14.0701	Chemical Engineering • Chemical Engineering - UND		• Construction/Building Technology - NDSU	26.0501	Microbiology • Microbiology - NDSU, UND
01.0401	Agricultural and Food Products Processing Operations and Management • Cereal Science - NDSU	14.0801	Civil Engineering, General • Civil Engineering - NDSU, UND • Construction Engineering - NDSU • Construction Management - NDSU • Construction Technology - NDSU	15.0101	Architectural Engineering Technology/Technician • Architectural Drafting & Estimating Technology - NDSCS	26.0601	Anatomy • Anatomy - UND
02.0301	Food Sciences and Technology • Food Science - NDSU	14.0804	Transportation and Highway Engineering • Transportation & Logistics - NDSU • Transportation Engineering - NDSU	15.0201	Civil Engineering/Technician • Civil Engineering & Surveying Technology - NDSCS	26.0616	Biotechnology Research • Biotechnology - NDSU
11.0101	Computer and Information Sciences, General • Computer Information Systems - MaSU,UM,VCSU • Computer Science - DSU,JC,MISU,NDSU,UND	14.0901	Computer Engineering, General • Computer Engineering - NDSU	15.0303	Electrical, Electronic and Communications Engineering Technology/Technician • Electric Power Technology - BSC • Electrical Technology - NDSCS • Electrical Transmission Systems Technology - BSC • Electronics/Telecommunications Technology - BSC	26.0701	Zoology, General • Zoology - NDSU
11.0201	Computer Programming • Computer Science Basic Programming - MISU	14.1001	Electrical, Electronics and Communications Engineering • Electrical & Comp Engr - NDSU • Electrical Engineering - NDSU, UND	15.0506	Water Quality and Waste Management and Recycling Technology/Technician • Water Quality Technology - MISU-BC	26.0702	Entomology • Entomology - NDSU
11.0301	Data Processing Technology/Technician • Information Processing Technician-WSC • Information Technology - MaSU	14.1201	Engineering Physics • Applied Physics - UND	15.0603	Industrial Technology/Technician • Industrial Technology - UND • Process Plant Technology - BSC	26.0705	Pharmacology, Human and Animal • Pharmacology - UND
11.9999	Computer and Information Sciences, Other • Computer Information System (BAS) - MaSU • Instructional Technology - VCSU	14.1401	Environmental/Environmental Health Engineering • Environmental Engineering - NDSU • Environmental Geoscience - UND	15.0699	Industrial Production Technologies/Technician, Other • Power Plant Technology - BSC	26.0706	Physiology, Human and Animal • Physiology - UND
13.0501	Educational/Instructional Media Design • Instructional Design and Technology - UND	14.1501	Geological Engineering and Geophysical Engineering • Geological Engineering - UND	15.1101	Engineering Technology/Technician, General • Engineering Technician - BSC	27.0101	Mathematics, General • Applied Statistics - NDSU • Computer Science - NDSU • Mathematics - DSU, FBCC, JC, MaSU, MISU, NDSU, UM, UND, VCSU
13.1309	Technology Teacher Education/Industrial Arts Teacher Education • Industrial Technology Education - UND • Technology Education - VCSU	14.1701	Industrial Engineering (Manufacturing Engineering Moved to 14.3501) • Industrial & Manufacturing Engr - NDSU • Industrial Engineering & Management - NDSU • Manufacturing Engineering (A.M.E.T.) - NDSU • Manufacturing Engr - NDSU	26.0101	Biology, General • Biological Sciences - NDSU • Biology - DSU, JC, MaSU, MISU, NDSU, UM, UND, VCSU	27.0301	Applied Mathematics, General • Applied Math, General - JC
14.0101	Engineering, General • Engineering - NDSU	14.1901	Mechanical Engineering • Mechanical Engineering - NDSU, UND	26.0202	Biochemistry • Biochemistry - NDSU, UND	27.0501	Mathematical Statistics • Statistics - NDSU
14.0301	Agricultural Engineering • Agricultural and Biosystems Engineering - NDSU	14.3301	Construction Engineering	26.0301	Botany, General • Botany - NDSU	40.0101	Physical Sciences, General • Physical Science - MaSU, MISU, UM
				26.0305	Plant Pathology • Plant Pathology - NDSU	40.0401	Atmospheric Sciences and Meteorology, General • Atmospheric Sciences - UND • Atmospheric Studies - UND
						40.0501	Chemistry, General • Chemistry - DSU, JC, MaSU, MISU, NDSU, UND, VCSU
						40.0507	Polymer Chemistry • Polymers & Coatings Sciences - NDSU
						40.0601	Geology, General • Geology - MISU, UND
						40.0703	Earth and Planetary Sciences

Students graduating from comparable programs in other states are eligible when students meet North Dakota residency and other requirements.

Acronyms: BSC = Bismarck State College, DSU = Dickinson State University, FBCC = Fort Berthold Community College, JC = Jamestown College, LRSC = Lake Region State College, MaSU = Mayville State University, MISU = Minot State University, MISU-BC = Minot State University-Bottineau Campus, NDSCS = North Dakota State College of Science, NDSU = North Dakota State University, TMCC = Turtle Mountain Community College, UM = University of Mary, UTTC = United Tribes Technical College, UND = University of North Dakota, VCSU = Valley City State University, WSC = Williston State College

CIP	Program Areas
	• Physics - NDSU
40.0801	Physics, General
	• Physics - MISU, NDSU, UND
41.0301	Chemical Technology/Technician
	• Science Technology - NDSCS
47.0101	Electrical and Electronics Equipment Installer and Repairer, General
	• Electrical Wiring - UTTC
47.0104	Computer Installer and Repairer
	• Simulator Maintenance Technician - LRSC
47.0105	Industrial Electronics Installer and Repairer
	• Electronic Technology - NDSCS
49.0105	Air Traffic Control
	• Air Traffic Control - UND
51.0904	Emergency Medical Technology/Technician
	• Emergency Medical Technician - TMCC
	• EMT Paramedic Technology - BSC
51.0907	Medical Radiologic Technology/Technician
	• Radiologic Sciences - NDSU
	• Radiologic Technology - JC, MISU, UM
51.0908	Respiratory Therapy Technician
	• Respiratory Care - NDSU, UM
51.0909	Surgical/Operating Room Technician
	• Surgical Technology - BSC
51.1002	Cytotechnologist
	• Cytotechnology - UND
51.1004	Medical Laboratory Technician
	• Clinical Laboratory Technician - BSC
	• Medical Lab Technician - TMCC
51.1005	Medical Technology
	• Clinical Laboratory Science - MISU, NDSU, UND,
	• Medical Technology - JC, UM
51.1099	Health and Medical Laboratory Technologies/Technicians, Other
	• Phlebotomy Technician - BSC

CIP	Program Areas
52.1201	Management Information Systems and Business Data Processing Services, General
	• Information Systems - UND
	• Information Systems Management - MISU
	• Information Technologies - LRSC
	• Management Information Science - JC
	• Management Information Systems - NDSU
52.1202	Business Computer Programming/Programmer
	• Computer Information Systems - NDSCS
52.1204	Business Systems Networking (LAN/WAN) and Telecommunications
	• Computer Applications - CCCC
	• Computer Support Specialist - BSC
	• Computer Support Tech - UTTC
	• Computer Tech Support Specialist - TMCC
	• Information Technology - Network Engineering - MISU-BC
52.1299	Management Information Systems and Business Data Processing Services, Other
	• Information Technology - Web Design - MISU-BC
	• Information Technology - Web Master - MISU-BC

CIP	Program Areas
-----	---------------

CIP	Program Areas
-----	---------------

Students graduating from comparable programs in other states are eligible when students meet North Dakota residency and other requirements.

Acronyms: BSC = Bismarck State College, DSU = Dickinson State University, FBCC = Fort Berthold Community College, JC = Jamestown College, LRSC = Lake Region State College, MaSU = Mayville State University, MISU = Minot State University, MISU-BC = Minot State University-Bottineau Campus, NDSCS = North Dakota State College of Science, NDSU = North Dakota State University, TMCC = Turtle Mountain Community College, UM = University of Mary, UTTC = United Tribes Technical College, UND = University of North Dakota, VCSU = Valley City State University, WSC = Williston State College

## North Dakota University System - Table 2. Technology Job Occupations and Codes

(Derived from <http://stats.bls.gov/pdf/socprt929.pdf>)

SOC	Occupation	CIP	Program Areas	CIP	Program Areas	CIP	Program Areas
15-0000	Computer and Mathematical Occupations	17-3025	Environmental Engineering Technicians	43-9030	Desktop Publishers	51-9121	Coating, Painting, and Spraying Setters, Operators, and Tenders
15-1000	Computer Specialists	17-3026	Industrial Engineering Technicians	45-2020	Animal Breeders	51-9141	Semiconductor Processors
15-1010	Computer and Information Scientists, Research	17-3027	Mechanical Engineering Technicians	49-2011	Computer, Automated Teller, and Office Machine Repairers	51-9196	Paper Goods Machine Setters, Operators, and Tenders
15-1020	Computer Programmers	17-3029	Engineering Technicians, Except Drafters, All Other	49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	53-2010	Aircraft Pilots and Flight Engineers
15-1030	Computer Software Engineers	19-1010	Agricultural and Food Scientists	49-2091	Avionics Technicians		
15-1040	Computer Support Specialists	19-1020	Biological Scientists	49-2093	Electrical and Electronic Installers and Repairers, Transportation Equipment		
15-1050	Computer Systems Analysts	19-1040	Medical Scientists	49-2094	Electrical and Electronic Repairers, Commercial and Industrial Equipment		
15-1060	Database Administrators	19-1041	Epidemiologist	49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay		
15-1070	Network and Computer Systems Administrators	19-1042	Medical Scientists, Except Epidemiologists	49-3010	Aircraft Mechanics and Service Technicians		
15-1080	Network Systems and Data Communications Analysts	19-2010	Astronomers and Physicists	49-9062	Medical Equipment Repairers		
15-1090	Miscellaneous Computer Specialists	19-2020	Atmospheric and Space Scientists	51-2010	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers		
15-2000	Mathematical Scientists	19-2030	Chemists and Materials Scientists	51-2022	Electrical and Electronic Equipment Assemblers		
15-2010	Actuaries	19-2040	Environmental Scientist and Geoscientist	51-2023	Electromechanical Equipment Assembler		
15-2020	Mathematicians	19-2090	Miscellaneous Physical Scientists	51-4010	Computer Control Programmers and Operators		
15-2030	Operations Research Analysts	19-4010	Agricultural and Food Science Technicians	51-4041	Machinists		
15-2040	Statisticians	19-4030	Biological Technicians	51-4110	Tool and Die Makers		
15-2090	Miscellaneous Mathematical Scientists	19-4040	Geological and Petroleum Technicians	51-7041	Sawing Machine Setters, Operators, and Tenders, Wood		
15-3010	Mathematical Technicians	19-4050	Nuclear Technicians	51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing		
17-2000	Engineers	19-4093	Forest and Conservation Technicians	51-8010	Power Plant Operators, Distributors, and Dispatchers		
17-2010	Aerospace Engineers	25-1020	Math and Computer Teachers, Postsecondary	51-8031	Water and Liquid Waste Treatment Plant and Systems Operators		
17-2020	Agricultural Engineers	25-1032	Engineering Teachers, Postsecondary	51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers		
17-2030	Biomedical Engineers	25-1040	Life Sciences Teachers, Postsecondary	51-9011	Chemical Equipment Operators and Tenders		
17-2040	Chemical Engineers	25-1050	Physical Sciences Teachers, Postsecondary	51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders		
17-2050	Civil Engineers	25-1194	Vocational Education Teachers, Postsecondary	51-9021	Crushing, Grinding, and Polishing Machine		
17-2060	Computer Hardware Engineers	25-2023	Middle School Vocational Education Teachers	51-9023	Mixing and Blending Machine Setters, Operators, and Tenders		
17-2070	Electrical and Electronics Engineers	25-2032	Secondary School Vocational Education Teachers	51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders		
17-2080	Environmental Engineers	25-9099	Instructional Designers (subset)	51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders		
17-2110	Industrial Engineers, Including Health and Safety	29-2010	Clinical Laboratory Technologists and Technicians				
17-2130	Materials Engineers	29-2030	Diagnostic Related Technologists and Technicians				
17-2140	Statisticians	29-2040	Emergency Medical Technicians and Paramedics				
17-2150	Mining and Geological Engineers, Including Mining Safety Engineers	29-2052	Pharmacy Technicians				
17-2160	Nuclear Engineers	29-2053	Psychiatric Technicians				
17-2170	Petroleum Engineers	29-2054	Respiratory Therapy Technicians				
17-2190	Miscellaneous Engineers	29-2055	Surgical Technologists				
17-3020	Engineering Technicians, Except Drafters						
17-3022	Civil Engineering Technicians						
17-3023	Electrical and Electronic Engineering Technicians						
17-3024	Electro-Mechanical Technicians						

# Access - General

December 2004

## Technology Occupations Student Loan Program

*The 2001 North Dakota Legislature appropriated \$400,000 to the North Dakota University System (NDUS) for the purpose of administering a technology occupation student loan forgiveness program. The intent of this program is to reduce student loan indebtedness for individuals who have: (1) graduated in technology-related fields, (2) completed internships for businesses located in North Dakota and (3) been employed in technology occupations in the state for one year.*

Funding recipients are eligible to receive \$1,000 per year in continued loan forgiveness for each consecutive year they are employed in an approved technology occupation in North Dakota, up to a maximum of three years or \$3,000. The Bank of North Dakota is responsible for applying loan forgiveness payments for funded recipients. An eligible recipient must have a student loan from the Bank of North Dakota or other participating lender. Individuals must apply or re-apply annually for new or continued funding.

- For academic year 2003-04, a total of 126 applications were received. Of the 126 applicants, 107 new and continuing applicants were funded.
- The average student loan indebtedness of funded applicants, as reported on their applications, was \$8,442.
- A breakdown of funded 2003-04 applicants by program area follows:

Program Areas of Funded Applications for 2003-04	# of Applicants Funded
Agricultural Engineering	7
Architectural Engineering Technology/Technician	3
Biology, General	1
Business Computer Programming/Programmer	10
Business Systems Networking (LAN/WAN) and Telecommunications	4
Chemistry, General	1
Civil Engineering, General	1
Civil Engineering/Technician	1
Computer and Information Sciences, General	18
Electrical, Electronic and Communications Engineering Technology/Technician	4
Electrical, Electronics and Communications Engineering	3
Emergency Medical Technology/Technician	2
Industrial Engineering	2
Management Information Systems and Business Data Processing Services, General	18
Mechanical Engineering	4
Medical Laboratory Technician	1

FOR MORE INFORMATION CONTACT:

**Peggy Wipf**, Director of Financial Aid and Federal Relations Coordinator  
701.328.4114 [Peggy.Wipf@ndus.nodak.edu](mailto:Peggy.Wipf@ndus.nodak.edu)

[www.ndus.nodak.edu](http://www.ndus.nodak.edu)

Section 8 – Page 6

# Technology Occupations (cont.)

Program Areas of Funded Applications for 2003-04	# of Applicants Funded
Medical Radiologic Technology/Technician	13
Medical Technology	5
Respiratory Therapy Technician	5
Surgical/Operating Room Technician	2
Transportation and Highway Engineering	1
<b>TOTAL</b>	<b>107</b>

- A breakdown of funded 2003-04 applicants by technology job occupations follows:

Technology Job Occupations of Funded Applicants for 2003-2004	# of Applicants Funded
Agricultural Engineers	4
Chemists and Materials Scientists	1
Civil Engineering Technicians	1
Civil Engineers	2
Clinical Laboratory Technologists and Technicians	6
Computer and Mathematical Occupations	2
Computer Control Programmers and Operators	1
Computer Programmers	17
Computer Software Engineers	7
Computer Specialists	3
Computer Support Specialists	8
Computer Systems Analysts	2
Database Administrators	1
Diagnostic Related Technologists and Technicians	13
Electrical and Electronic Installers and Repairers, Transportation Equipment	1
Electrical and Electronic Repairers, Commercial and Industrial Equipment	2
Electrical and Electronics Engineers	3
Electrical and Electronics Repairers, Powerhouse, Substation and Relay	1
Emergency Medical Technicians and Paramedics	2
Engineering Technicians, Except Drafters, All Other	3
Engineers	5
Forest and Conservation Technicians	1
Industrial Engineers, Including Health and Safety	2
Mechanical Engineering Technicians	1
Miscellaneous Computer Specialists	1
Miscellaneous Engineers	1
Network and Computer Systems Administrators	7
Network Systems and Data Communications Analysts	1
Respiratory Therapy Technicians	5
Surgical Technologists	2
<b>TOTAL</b>	<b>107</b>

**FOR MORE INFORMATION CONTACT:**

**Peggy Wipf**, Director of Financial Aid and Federal Relations Coordinator  
701.328.4114 [Peggy.Wipf@ndus.nodak.edu](mailto:Peggy.Wipf@ndus.nodak.edu)

[www.ndus.nodak.edu](http://www.ndus.nodak.edu)

Section 8 – Page 6.1

## Access - General

December 2004

### Teacher Shortage Loan Forgiveness Program

*The 2001 North Dakota Legislature appropriated \$250,000 to the North Dakota University System (NDUS) for the purpose of administering a student loan forgiveness program. The intent of this program is to reduce student loan indebtedness for teaching in North Dakota at grade levels and/or in content areas identified by the Department of Public Instruction as having a teacher shortage.*

Funding recipients are eligible to receive \$1,000 in loan forgiveness for each consecutive year they teach in a teacher-shortage area, up to a maximum of three years or \$3,000. The Bank of North Dakota is responsible for applying and/or forwarding loan forgiveness payments for funded recipients.

- For academic year 2003-04, a total of 248 applications were received. Of the 248 applicants, 175 new and continuing applicants were funded.
- The average student loan indebtedness of funded applicants, as reported on their applications, was \$11,180.
- A breakdown of funded 2003-04 applicants by defined shortage areas follows:

Defined Shortage Areas of Funded Applicants for 2003-2004	# of Applicants Funded
Agriculture	6
Art	3
Computer Education	18
English Language Arts	18
Health	4
Languages	4
Mathematics	19
Music	11
Science	24
Social Studies	18
Special Education Programming	50
<b>TOTAL</b>	<b>175</b>

FOR MORE INFORMATION CONTACT:

**Peggy Wipf**, Director of Financial Aid and Federal Relations Coordinator  
701.328.4114 [Peggy.Wipf@ndus.nodak.edu](mailto:Peggy.Wipf@ndus.nodak.edu)

[www.ndus.nodak.edu](http://www.ndus.nodak.edu)

Section 8 – Page 7



Testimony before  
House Education Committee  
February 15, 2005  
Engrossed SB 2078

Madame Chair and members of the House Education Committee, my name is Mike Hillman and I am Vice Chancellor for Academic and Student Affairs for the North Dakota University System.

Senate Bill No. 2078 is a bill introduced on behalf of the State Board of Higher Education that relates to the Technology Occupations and Teachers Shortage Student Loan Forgiveness Programs.

The Technology Occupations Student Loan Program, a student loan forgiveness program, was first funded by the Legislature in 2001. The intent of the program is to reduce student loan indebtedness for individuals who have graduated in a technology related field, completed an internship with a business located in North Dakota, and been employed in a technology occupation in North Dakota for one year.

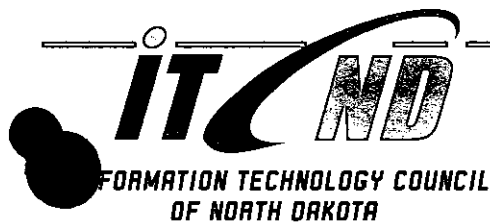
The Teacher Shortage Loan Forgiveness Program is also a student loan forgiveness program first funded by the Legislature in 2001. The intent of this program is to reduce student loan indebtedness for elementary and secondary teachers employed in North Dakota at grade levels and/or content areas identified by the Department of Public Instruction as having a teacher shortage.

The suggested change in Section 1, 2. c. of SB 2078 reduces a restrictive criterion for the Technology Occupations Student Loan Forgiveness Program, specifically, the 3.0 grade point average is reduced to 2.5, based on a 4.0 grading system, at a board approved college. Additionally, Section 1, 2. d., clarifies that a graduate must have completed an internship with a business or governmental entity in this state prior to graduation.

The suggested changes in Section 1, 3. and Section 2. 4. is permissive language to allow the State Board of Higher Education (SBHE) to establish an award level that may not exceed \$1,000 per year and a total of \$5,000. This permissive language permits the SBHE to adjust award levels within the appropriation levels established by the Legislative Assembly. All of the suggested changes are based on the State Board's experience with managing these loan forgiveness programs for the State of North Dakota.

Madame Chair and House ~~Senate~~ Education Committee members, on behalf of the State Board of Higher Education, I urge your support of these changes to Senate Bill No. 2078 and will try to answer your questions on these recommendations.

SB 2078  
15 Feb 05



PO Box 2599 • Bismarck, ND 58502  
U.S. Toll Free 1-877-311-1648 • (701) 355-4458 • (701) 223-4645 (Fax)  
office@itcnd.org • www.itcnd.org

### **Testimony of Deana Wiese**

**Information Technology Council of North Dakota Assistant Executive Director**

**on SB 2078**

**February 15, 2005**

Ms. Chairman and members of the House Education Committee:

My name is Deana Wiese and I am the assistant executive director of the Information Technology Council of North Dakota (ITCND). I am here today to testify in support of SB 2078.

ITCND was formed in 2000 by North Dakota business, government, and university leaders who recognized the need to strengthen the state's information technology infrastructure and position the state as a national leader in IT. ITCND has more than 100 members and continues to grow every day. The members of ITCND believe in a stronger North Dakota through information technology excellence and development.

ITCND's membership, including numerous North Dakota IT business and universities, strongly encourages keeping North Dakota's high-quality IT students in the state following college graduation. SB 2078 would allow more students to be eligible for the technology occupations student loan program, encouraging them to remain in the state following graduation, by lowering the required GPA from 3.0 to 2.5.

ITCND supports this bill, along with HB 1387, which removes the internship requirement allowing more students to be eligible for the technology occupations student loan program. We are, however, concerned about maintaining a high-quality, top notch IT workforce within the state. We would like to encourage you to consider GPA and internship experience as rating factors in determining who will receive the scholarships.

We thank you for your support of IT workforce development in the past, and we encourage you to give SB 2078 a DO PASS recommendation.

**Wiese testimony in support of SB 2078.**

# HB 1387

Rep. David Monson

Dist. 10

Osnabrock, ND

Wednesday, January 26, 2005

Chairman Kelsch and members of the House Education Committee,

For the record I am Rep. David Monson of Osnabrock here to testify in favor of HB

1387. HB1387 is a bill to help more college graduates make the decision to stay and

work in ND. Our present law provides for students in technology careers to qualify

for some loan forgiveness if they stay and work in ND and if they meet certain

criteria. One of these stipulations is that they must complete an internship with a

company before graduation. I have had several recent graduates tell me that this is a

problem. Many students in our colleges and universities have been told for years that

in order to get the best and highest paying jobs they had to look outside of ND.

Little did they know that they would actually get a good job offer from a ND

company upon graduation. When deciding whether to accept that job, they would

look at various incentives that we have put in place to entice these young people to

stay here. They get their hopes up thinking this program may help to compensate for

a somewhat lower wage, only to find out that they can't qualify because they didn't do

an internship while in college. Once they have missed the window of opportunity to

do the internship it isn't feasible to go back to college to do it. The result may be that

they decide to take the job offer out of state, and then we have lost them. The likelihood that they will return to live and work here in the near future is not very good. Therefore, I think this little improvement to our present program may make the difference for some of our best and brightest to stay in ND. I urge your favorable support for HB1387 and would be happy to try to answer any of your question.