

**2015 HOUSE EDUCATION**

**HCR 3048**

# 2015 HOUSE STANDING COMMITTEE MINUTES

**Education Committee**  
Pioneer Room, State Capitol

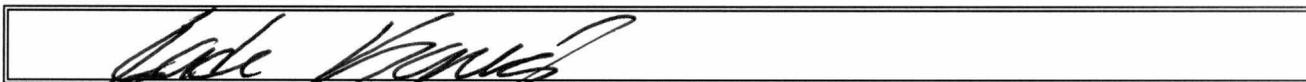
HCR 3048

3/11/2015

24695

Subcommittee

Conference Committee



## **Explanation or reason for introduction of bill/resolution:**

Directing the Legislative Management to study potential opportunities for the creation and utilization of public-private partnerships at institutions of higher education within the North Dakota University System, for the purpose of creating software engineering and development programs.

Attachment # 1.

**Chairman Nathe:** Opened the hearing on HCR 3048.

**Representative Thomas Beadle: District 27:** Introduced HCR 3048. (See Attachment # 1).

**Rep Schreiber Beck:** There are such blinders on for this. I think it would be a good study, but have you talked to any of the companies besides Microsoft?

**Representative Beadle:** That is one of the reasons why it being done at a discount. We recognize there is a solid need so the state has been willing to partner in that. I have talked to some companies. We actually have over 130 mobile app development and software engineering tech companies. There is interest in a program like this because all of them do have significant workforce needs. So they are trying to figure out a way that they can alleviate the product of the students that are coming through and make sure that not only are they getting trained because we have good management information systems and IT programs in state, but to make sure that those programs continue to adopt to what industry needs. Having a partnership together would help these industries meet their demand awhile maintaining what is current practice with technology.

**Rep Kelsh:** With using the technology the North Dakota State School of Science already has on how to attract these people to come. I don't see why anybody else couldn't adopt this using Microsoft or the other folks that are in the Fargo area. You talk to them if they want to help or want employees and put some money into it then let's get this started. I don't think we have to go through a study to do that especially when they have a model that's already there.

**Representative Beadle:** If we look at the diesel program for example, when we do have a partnership program with that part of the fact that it is a partnership it is implying that there are going to be state dollars committed whether that is in the development of the school itself or any necessary resources that would have to go there. Typically for a full or private partnership you can usually get that covered by some of the private funding. You will have on going operational expenses that end up being our expenses as a state. So because of that I think that is where you are going to have some reluctant from the board. One of the reasons why the resolution is drafted as it is, is I want to make sure it is in North Dakota University system not just the State College of Science. They have done a great job with the diesel mechanic program and they do have some two year technical. They are not the total experts on dealing with this sort of technology.

**Rep Kelsh:** Was there a study to allow the State School of Science to enter into these agreements?

**Representative Beadle:** You have been here longer than I so you might be aware of that by time I got here that school was already being worked on for the diesel mechanic program so I can't tell you whether or not there was a study for that but I can tell you there was state dollars that went into the program once it was open and operational. In my opinion it would be better for us to study the need.

**Rep Kelsh:** I am sure there is state dollars going to the State School of Science to supplement those programs also. They aren't paying for the whole thing. I am just thinking I don't know if there is a study either I thought maybe you knew. At least it is there, they have done it, the model is there and I think the State Board of Higher Education could use that model and give their blessings to a university system without having us study it.

**Representative Beadle:** There might be different components to look at. Which is why I referenced the University of Nebraska program that they have, because there are different examples out there as well and so before we just take one model and try to squash another program into that same concept I thought it would be good to look at what models are out there aside from just how we operate that one program to see what would be the best fit.

**Rep B. Koppelman:** One concern I see in this concept is if we have a study and decide we need software and then the legislature says yes this is something we should do. I think you run the risk of it being the legislatures will against the Higher Ed's will.

**Representative Beadle:** I don't see this as stepping on their toes, rather I see this as something where we understand that there is workforce issues in the state, we understand that Higher Education plays an important role in solving those workforce issues and they do a great job and we want them to maintain academic freedom, but we can direct some of the funding to areas we see as being highest and best use of state dollars.

**Rep B. Koppelman:** If we use your example of the diesel mechanic, I believe the concept of the K- 12 of the high school level when Caterpillar had approached one of the schools in Fargo and said we want to get more people in the program and we are willing to partner with you. Are those things happening right now?

**Representative Beadle:** I do know there are companies that have approached our institution saying this is a workforce lead that we have we would like to see this start to be addressed. Industries are reaching out but I don't like putting us in the back seat and then them coming up to them saying we have been approached by these companies we want to do X Y Z now we want you to fund it rather than us say studying it for if this potential comes along now we actually have some basis of knowledge to decide if we want to move forward as opposed to just rubber stamp or deny whatever they choose to feed us.

**Chairman Nathe:** Any support? Opposition? Closed the hearing on

**Rep Mock:** Moved Do Pass

**Rep Looyen:** Second.

Motion Do Pass Place on Consent Calendar.

Motion made by Representative Mock.

Seconded by Representative Looyen.

Total Yes 9. No 3. Absent 1.

Motion Passes.

Floor assignment Representative Mock.

Date: 3-11-15  
 Roll Call Vote #: 1

**2015 HOUSE STANDING COMMITTEE  
 ROLL CALL VOTES  
 BILL/RESOLUTION NO. 3048**

House Education Committee

Subcommittee

Amendment LC# or Description: \_\_\_\_\_

Recommendation:  Adopt Amendment  
 Do Pass     Do Not Pass     Without Committee Recommendation  
 As Amended     Rerefer to Appropriations  
 Place on Consent Calendar

Other Actions:  Reconsider     \_\_\_\_\_

Motion Made By Rep. Mock    Seconded By Rep. Looyzen

Representatives	Yes	No	Representatives	Yes	No
Chairman Nathe	✓		Rep. Hunskor	✓	
Vice Chairman Schatz	✓		Rep. Kelsh		✓
Rep. Dennis Johnson	✓		Rep. Mock	✓	
Rep. B. Koppelman		✓			
Rep. Looyzen	✓				
Rep. Meier	✓				
Rep. Olson	A				
Rep. Rohr		✓			
Rep. Schreiber Beck	✓				
Rep. Zubke	✓				

Total (Yes) 9 No 3

Absent 1

Floor Assignment Rep. Mock

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

**REPORT OF STANDING COMMITTEE**

**HCR 3048: Education Committee (Rep. Nathe, Chairman) recommends DO PASS and BE PLACED ON THE CONSENT CALENDAR (9 YEAS, 3 NAYS, 1 ABSENT AND NOT VOTING). HCR 3048 was placed on the Tenth order on the calendar.**

**2015 SENATE EDUCATION**

**HCR 3048**

# 2015 SENATE STANDING COMMITTEE MINUTES

Education Committee  
Missouri River Room, State Capitol

HCR 3048  
3/24/2015  
Job # 25308 (18:54)

- Subcommittee  
 Conference Committee

Committee Clerk Signature



## Explanation or reason for introduction of bill/resolution:

INITIAL HEARING

Minutes:

1 Attachment

**Chairman Flakoll** called the committee to order at 9:00am with all committee members present.

**Thomas Beadle**, District Representative (*see attachment #1*)

**Representative Beadle:** This is a fairly simple legislative management study. We need STEM programs in our area due to the high demand of businesses. For example Fargo has over 130 software development related companies. There is a significant shortage of workforce graduating from our institutions that are ready to meet the needs of these programs. I envision that we try to develop some sort of a partnership program. That is something worth looking at at a state perspective primarily because we know we have work force issues and a thriving tech industry. This will help jumpstart more of our studies and our graduate base.

**Vice Chairman Rust:** You said Fargo has about 130 software development related companies. Do you know if there are other communities with software development that can benefit from this?

**Representative Beadle:** My background is in the Fargo area. I know there is a significant need in Fargo, but this is a state-wide issue. Software development and engineering is a rapidly growing industry. It is not just an isolated area in Fargo. Fargo has the most concentration of companies and is a convenient structure for partnership. The students graduating from programs like this will be easily transferable and be able to help out the needs across the state.

**Chairman Flakoll:** Employees would appear to not be as place bound in their work.

**Representative Beadle:** That is one of the benefits of having IT related fields that are not on the connections networking side but rather on the software side. Since these tend to be more white-collar, higher paying jobs, I want to figure out a way that we could help have a home-grown talent in order to keep those people in the state.

**Chairman Flakoll:** Did you come across data on the typical compensation for someone like this?

**Representative Beadle:** I found some tangential data but it wasn't state specific so I would be reluctant to list that data.

**Chairman Flakoll:** How many of the employees spend most or all of their time working from a remote location that don't go into a traditional office?

**Representative Beadle:** I don't have data on that because it depends on what you are doing. Web design can be done remotely. Engineering and coding can have long hours are typically done in an office place.

(12) **Lisa Johnson** with NDUS was called to the podium

**Chairman Flakoll:** What is your perspective of what this could lead to?

**Johnson:** We are always interested in public-private partnerships and programs that serve the economic development needs of our state. We are willing to participate in this study if this committee should decide to do so. We have a number of programs offered in the state. Not only do people work from afar but we also have students that participate and learn in a distant form.

**Chairman Flakoll:** How many students are enrolled in those various programs?

**Johnson:** I do not know off hand.

**Chairman Flakoll:** Would you think that this may look at the demographic needs and determine if those various campuses across the 11 institutions need to migrate toward this?

**Johnson:** One concern that I have heard from campuses is the lack of student interest in these particular programs. There might need to be some marketing to attract students. A study might include promotion of this particular field of study.

(15:45) **Wayde Sick** with the Department of Commerce was called to the podium

**Sick:** The job service website has a 2013 employment and wages by occupation report. The entry wage for software developers appears to be \$45,750. Software developer system software is \$43,250. Web developers go down to \$32,520. They survey all of the employers in the state and take an average. Since this is 2013, they typically tell employers that they take that salary and add a percentage in order to attract staff.

**Chairman Flakoll** closed the hearing on SCR 3048.

**Senator Davison makes a motion for a DO PASS to SCR 3048**

**Senator Oban seconds the motion.**

**Senator Davison:** One of the other challenges is attracting faculty to teach in the higher areas of software development. Hopefully the study can focus on that as well.

**A vote was taken: 6 yays, 0 nays, 0 absent**

**The motion carries 6-0.**

**Senator Davison will carry the bill.**



**REPORT OF STANDING COMMITTEE**

**HCR 3048: Education Committee (Sen. Flakoll, Chairman)** recommends **DO PASS** (6 YEAS, 0 NAYS, 0 ABSENT AND NOT VOTING). HCR 3048 was placed on the Fourteenth order on the calendar.

**2015 TESTIMONY**

**HCR 3048**

#1  
HR 3048  
3/11/15

In each industry sector, potential academic programming and non-credit workforce training offerings have been identified. In addition, potential academic enrollment projections were determined based on stated needs from the industry and on enrollment in comparable programs at other institutions.

### **Recommended Education and Training Programming**

Based on labor market information, current and projected business and industry needs and student interest, NDSCS-Fargo should consider adding or expanding programming in all five of the industry sectors (manufacturing, transportation, healthcare, technology and finance). In addition to technical programs, the data supports expansion of liberal arts/transfer tracks.

#### **1. Information Technology Sector**

Information Technology (IT) was identified by the Greater Fargo- Moorhead EDC as a high growth area<sup>10</sup>. In addition, all six of the entities interviewed identified Information Technology degrees and skills as an area of great need, both in the number of graduates in IT fields and the need for IT skills across all sectors of employment.

- ❖ Expansion of existing NDSCS academic programs:
  - Web Design/Developer (added fall 2014)
  - Information Systems Administrator (added fall 2014)
  - Mobile Application Developer
- ❖ Potential new academic program:
  - Health Informatics
- ❖ Academic enrollment projections: 100-150 students
- ❖ Potential expansion of existing TrainND offerings:
  - Need for non-credit workforce training is across all industries with focus on Excel, accounting software, Microsoft Stack, inventory software, as well as basic Microsoft Office skills

#### **2. Manufacturing Related Sector**

The employment needs in the manufacturing sector appear mixed at the current time. Job Service of North Dakota reports that while most major metro areas in North Dakota have experienced a slight decline in manufacturing jobs, the Fargo metro area has seen an increase in recent years.<sup>11</sup> However, information presented at the 2014 Economic Outlook Forum by Jim Gartin, President of the GFMEDC, indicated that in 2013 there was a 2 percent decline in the manufacturing sector. He also projected this decline would continue in 2014.<sup>12</sup>

Information from the NDSCS Manufacturing Training Center Plan and feedback from both Fargo Job Service of North Dakota personnel and VOLT Workforce Solutions personnel indicate that the demand for skilled labor within the manufacturing

<sup>10</sup> Economic Outlook Forum – Greater Fargo Moorhead Economy PowerPoint

<sup>11</sup> Job Service of North Dakota workforce intelligence jobs report August 2013

<sup>12</sup> Economic Outlook Forum – Greater Fargo Moorhead Economy PowerPoint



Here is a listing of job openings in North Dakota that meet your search criteria. Click on a job title to see more information about the job. WARNING: Always be on the lookout for job scams! Learn more on how to protect yourself against online scams and identity theft.

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Your search found more than 500 jobs. Listed below are the 500 most recent, representing at least 554 position(s), that matched your search criteria. Change your search criteria.

Results View: Summary | Detailed

To sort on any column, click a column title.

Hide potential duplicate jobs

Date Last Modified	Job Title / Description Snippet	Employer	Location	Salary	Source	Key Match	Select
03/11/2015	<a href="#">Embedded Software Engineer (Fargo, ND)</a>	Genova Technologies, Inc.	Fargo, ND		CORP	2	<input type="checkbox"/>

... Software Engineer will help design and develop core products for new and existing applications for Genova's clients. They will assist in designing solutions, making recommendations, and developing applications per functional specifications. This is a 12+ month opportunity located in Fargo, North Dakota. Responsibilities include: \* Assisting in th

# 1  
3/24/15  
HCR 3048



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Hide potential duplicate jobs

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03/11/2015	<a href="#">Embedded Software Engineer (Fargo, ND)</a>	Genova Technologies, Inc.	Fargo, ND		CORP	2	<input type="checkbox"/>

Software Engineer will help design and develop core products for new and existing applications for Genova's clients. They will assist in designing solutions, making recommendations, and developing applications per functional specifications. This is a 12+ month opportunity located in Fargo, North Dakota. Responsibilities include: Assisting in th

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