department was able to hire one new faculter mber, Dr. Jiaofei Zhong, to teach Computer Science theory. We have a het search this year for angeral computer scientist with knowledge in topical areas such as big datapplication development, and cloud computing.

Our assessment plans have been moving for ware have mapped institutional learning

C. Program Changes and Needs

Since our last five year reaviv, two new hybrid courses have been added to the Computer Networks curriculum: Security Mobile, Wireless, Grid and Pervasive Computing (CS 4526) and Security Management (CS 4527).

Faculty Data:

Name	Base
Billard, Ted	0.11 (FERP)
,	(/
Brown, Kevin	1.0
Christianson, Leann	1.0
Daley, Jim	0.22 (FERP)
Ertaul, Levent	1.0
Grewe, Lynne	1.0
Johnson, Matt	1.0
Jurca, Dan	0.44 (FERP)
Reiter, Eddie	0.5 (FERP)
Roohparvar, Farzan	1.0
Simon, Steve	0.44 (FERP)
Thibault, William	1.0
Yang, David	1.0
Yu, Ytha	0.5 (FERP)
Zhong, Fay	1.0
Total:	11.21

Resources and Needs:

The Computer Science Department was **data** impacted by IT Centralization several years back. Up until last year, we had only one small computing lab with less than a dozen machines -- despite the numbest configuration in the majors – and only one computer classroom. This year we were finally to obtain at least primary usage to a second newly renovated computer classroom,

in VBT. CS is still SEVEREY underequipped. Students oftery to make do with their own laptops and general purpospeace (like the Cave of tSecience building), but this often leads to difficulties from incompatibles among their laptops. Many courses in the curriculum require dedicated servers threatisolated from the campus networks, as students write programs to interact or query theservers. Gettig these configurations set up is difficult when IT centrally manages all systems on campus. Classroom space, retiring faculty, equipment and software shgets, and lack of dedicated IT support are all issues that impact the program's future growth.

2. SUMMARY OF ASSESSMENT (about 1 page)

A. Program Student Learning Outcomes

Students graduating with a Badbar of Science in Computercience will be able to:

- 1. apply knowledge of mathematics and comportant theory to appropriate problems in computer science
- 2. analyze a problem, and identify and define the sources and requirements needed for its solution
- 3. design and implement a programmeet stated needs
- 4. develop and maintain computer-basedtems, processes, and platforms
- 5. recognize and distinguish the mechanis cos ponents and architecture of computing systems
- 6. employ current techniques, skills, atoobls necessary for computing practice
- 7. identify professional, ethical, **dga**l, and security issues a **res**ponsibilities and the impact of computing on individualsorganizations, and society
- 8. perform successfully on teams to ac**cdish** a common goal, and communicate effectively in written and oral form

B. Program Student Learning Outcome(s) Assessed

- apply knowledge of mathematics and comportable theory to appropriate problems in computer science
- 2. analyze a problem, and identify and define the sources and requirements needed for its solution

C. Summary of Assessment Process

We created SLOs and PLOs for the B.SComputer Science in chacademic year 2012-2013. The Math and Computer Science Departmentifich this degree is housed made the decision to use Blackboard as a means to provide studientifican assessment and that addresses the SLOs of each course which are aligned to the PLOs for each program and the ILOs of the university. We have these in place for 11 keyrses in the Computer Science program at this time. The results of these exams are being stored separate Blackboard shell repository for the department. Evaluating the results of these existential adverages over the entire exam, which is suboptimal. Due to this, we are considering ot ptions. The existing version of Blackboard unfortunately does not support aggregation a comparison of assessments across multiple courses.

We have also had a problem of oversubscribedses. The university has limits on class sizes while students register for class during specific scheduled tinstets. Students have regularly signed up for many more courses than they intertake, and drop courses at a later time. While this may seem like purely an administrative invernience, it does create concrete pedagogical problems. Because students join the prograviths varying backgrounds, incoming students in some sense compete with existing students for many of the same classes. Since incoming students register after existing dents, they are the ones who after shut out of the classes they should be taking. This increases the chatheesend up trying toelarn material that is beyond them. To handle this problem, the departiments have been also sign up for courses with very few complaints.

Created 5/2013

Annual Data:

A. Student Headcount:

Computer Science B.S. and M.S.	Fall Quarter						
Headcount Enrollment	2009	2010	2011	2012	2013	5	
1. Undergraduate	28	1 26	0 2	90 3	15 3	326	
2. Postbaccalaureate		19	8	4	0	1	
3. Graduate	183	3 18	4 14	18 10	95 1	52	
4. Total Number of Majors	48	3 45	2 4	42 4	20 4	479	

B. Degrees Awarded:

Computer Science B.S. and M.S.	College Years						
Degrees Awarded	08-09	09-10	10-11	11-12	12-13		
1. Undergraduate	4	2 4	1 5	4 !	51	63	
2. Graduate	38	6	2 10	28	9 5	57	
3. Total Number of Majors	80) 10	3 15	6 1·	40 1	20	

Accepted Applications for MS Computer Stoke (from Graduate Coordinator records):

- For the Winter 2014 quarter, there were 356 **applis**, of whom 2 were accepted into they **a** Bridge program, 218 were accepted inte **C**S MS program, and 136 were rejected.
- For the Spring 2014 quarter, there were 250 **apptis**, of whom 1 was accepted into they**4** ar Bridge program, 115 were accepted it**he** CS MS program, and 134 were rejected.
- For the Fall 2014 quarter, there were 1150 is potential and the second second

C. Faculty Information:

Please note that the university does not calcu Please see above (Program Neteods)nformatic

Computer Science, Computer Network, and Mathema

Faculty Tenured/TrackMr grams.

D. Student Faculty Ratios:

Computer Science and Networks	Fall Quarter						
Student Faculty Ratios	2009	2010	2011	2012	201	3	
1. Tenured/Track	17.8	3 16.	.8 14	.7 17	7.1	19.4	
2. Lecturer	22.3	26.4	4 23.	.6 27	.5 3	30.2	
3. SFR By Level (All Faculty)	18.8	3 17.	5 15	.5 18	3.5	21.5	
4. Lower Division	26.7	24.6	5 22.	5 20	.8 2	24.9	
5. Upper Division	18.0	17.	0 17.	.5 20	.2 2	21.4	
6. Graduate	16.6	6 15.	9 10	1 14	1.5	19.8	

E. Sections:

Computer Science and Networks	Fall Quarter					
Section Size	2009	2010	2011	2012	2013	
1. Number of Sections Offered	47	.0 39	9.7 4	7.8 3	37.0 4	5.8