

**NDSU DEPARTMENT OF COMPUTER SCIENCE
AND OPERATIONS RESEARCH**

ANNUAL REPORT 2012-2013

Primary Contact:
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Faculty, Lecturers and Special Appointments Profiles



**Dr. Anne Denton, Associate Professor
PhD, University of Mainz, Germany 1996**

Dr. Denton teaches courses in database management, bioinformatics, problem solving and foundations of computer science. Her research interests include data mining, bioinformatics, course management systems for distance education, and computational physics. Anne was promoted to Associate Professor with tenure effective August, 2009.



**Dr. Rui Dai, Assistant Professor
PhD, Georgia Institute of Technology - 2011**

Dr. Dai joined the faculty in the Fall of 2012. She teaches courses in operating systems. Dr. Dai research interests are wireless multimedia sensor networks.



Dr. Hyunsook Do, Assistant Professor
PhD, University of Nebraska – Lincoln 2007

Dr. Do teaches courses in networks, network security, and software engineering. Her research program concerns software engineering, particularly software testing, maintenance, and empirical methodologies.



Dr. Wei Jin, Assistant Professor
PhD, University of Buffalo, 2008

Dr. Wei Jin teaches courses in comparative languages and information retrieval. Her research interests focus on Text Mining, Information Retrieval and social Network analysis and Bioinformatics.



Dr. Jun Kong, Associate Professor
PhD, University of Texas at Dallas, 2005

Dr. Kong is interested in visual modeling languages, model driven development and web-data interoperation. He teaches courses in operating systems and human computer interaction. Jun was promoted to Associate Professor with tenure effective Spring, 2012.



Dr. Juan Li, Assistant Professor
PhD, University of British Columbia, Vancouver Canada
2008

Dr. Juan Li teaches courses in artificial intelligence, parallel and distributed simulations. Her research interests are in networking and distributed systems.



**Dean Knudson, Associate Professor
PhD, Northwestern University,**

Dr. Knudson is coordinator of the capstone program for bachelor of science students in CS and MIS. In this role he develops external sponsors for projects and mentors the student teams in project management. He teaches CSci 445, Capstone: Software Projects. Dr. Knudson has extensive experience working as a development executive for Microsoft and several other companies. He is a half-time Associate Professor.



**Dr. Simone Ludwig, Associate Professor
PhD, Brunel University, West London, UK 2004**

Dr. Simone Ludwig joined the faculty in the Fall of 2010. She teaches courses in assembly programming and artificial Intelligence. Her research interest combines distributed computing with artificial intelligence.



**Dr. Kenneth Magel, Professor and Associate Head
PhD, Brown University, 1977**

Dr. Magel teaches a wide variety of courses, including software engineering, programming languages, and social implications of computing. His software engineering research activities explore what makes programming difficult and programs complex. Dr. Magel conducts seminars and courses in XML, C# and .net technologies. He coordinates the graduate programs in software engineering. Beginning July 1, 2007 he became Associate Head for the Department.



**Dr. Kendall E. Nygard, Professor and Graduate
Coordinator
PhD, Virginia Polytechnic Institute and State
University, 1978**

Dr. Nygard teaches courses in simulation, social implications of computing, mathematical modeling, network optimization, systems analysis and design, and software testing and maintenance. His research interests include software systems for military mission planning for cooperative control of autonomous aircraft systems, software agents, and geographic information systems (GIS) for school transportation. Primary sponsors of his research are the Air Force and Navy. Starting in summer, 2006 he became graduate coordinator for the Department.



**Dr. William Perrizo, University Distinguished
Professor
Ph.D., University of Minnesota, 1972**

Dr. Perrizo teaches courses in database systems, data mining, bioinformatics, and networks. His research interests include database and information systems, data mining, data warehousing, distributed database systems, bioinformatics, precision agriculture, and remotely sensed data management and visualization. His research has been funded by many federal and private sources. Dr. Perrizo is a co-founder of the worldwide Virtual Conference on Bioinformatics. Dr. Perrizo has served in leadership roles for many conferences and on many boards and has a strong international reputation in research. In fall, 2007, he became one of the first seven University Distinguished Professors at NDSU, and in spring, 2008, was named Fargo-Moorhead Chamber of Commerce Professor



**Dr. Saeed Salem, Assistant Professor
Ph.D., Rensselaer Polytechnic Institute, NY 2009**

Dr. Salem teaches courses in Bioinformatics and Data Mining. His research interests are in bioinformatics, biological networks, data mining and machine learning.



Dr. Brian M. Slator, Professor and Department Head
Ph.D., New Mexico State University, 1988

Dr. Slator teaches courses in artificial intelligence (AI), multimedia educational systems, computer science problem solving, and comparative languages. His research interests revolve around active environments for learning, including the use of software agents, case-based reasoning, knowledge representation, multimedia systems, distance education, synthetic environments, and multi-user educational games. Dr. Slator is a recipient of the Ernest L. Boyer International Award for Excellence in Teaching, Learning and Technology. Since fall, 2007, he has been Department Head.



Dr. Vasant Ubhaya, Professor
Ph.D., University of California, Berkeley, 1971

Dr. Ubhaya teaches courses in Discrete Mathematics, Algorithm Analysis, Performance Evaluation, Mathematical Programming, and Dynamic Programming. He does research in Algorithms, Optimization and Approximation, and publishes his results regularly in journals. He is often invited by professional societies to organize and chair sessions, and give talks at their meetings. His research has been supported by the National Science Foundation and EPSCoR.



**Dr. Gursimran Walia, Assistant Professor
Ph.D., Mississippi State University, 2009**

Dr. Walia teaches courses in Software Project Planning and Empirical Software Engineering. His research interests are empirical software engineering, psychology in software engineering, software quality, information assurance and software engineering for computer security.



**Dr. Changhui Yan, Assistant Professor
Ph.D., Iowa State University, 2005**

Dr. Yan teaches courses in Bioinformatics. His research interests include developing computational methods and tools to assist biologists to investigate problems in complex biological systems.

LECTURERS



**Joan Krush, Academic Advisor/ Lecturer
MA, University of Iowa**

Ms. Krush is a halftime lecturer and advisor. Joan has a MA in student development in Postsecondary Education. She assists our students with their advising needs, leads student recruiting, and teaches sections of University 189.



**Dr. Sameer Abufardeh, Professor of Practice
Phd, North Dakota State University, 2009**

Dr. Abufardeh teaches courses in Java. His research interest has been in the area of requirements engineering. He received his Ph.D. from the Department in fall, 2008. Sameer was promoted to Professor of Practice effective Spring, 2012.



**Dr. Oksana Myronvych, Professor of Practice
Phd, North Dakota State University 2010**

Dr. Myronvych teaches courses in Java and the advanced Visual Basic .NET courses. Her research interest has been in the area of requirements engineering. She received a Ph.D. in 2009. She is currently the Treasurer/Secretary for the student chapter of UPE, the Computer Science Honor Society. Dr. Myronvych was promoted to Professor of Practice in December 2010.



**Pratap Kotala, Lecturer
MS, North Dakota State University 2002**

Mr. Kotala teaches courses in systems analysis and design and foundations of programming for MIS majors. He also teaches the distance and continuing education sections of business use of computers.

STAFF



Robert Foertsch, Systems Administrator

Robert Foertsch is the department systems administrator and does all the maintenance and purchasing of all the computer equipment. He also does the configurations for the departmental instructional laboratories.



Carole Huber, Administrative Assistant

Ms. Huber coordinates the administrative functions of the department. This includes managing research and appropriated funds, purchasing and accounts payable. She is the contact person for all student employment applications, time-slips, and tuition waivers. She coordinates all Teaching/Research/Grading positions for the department.



**Betty Opheim,
Part-time Administrative Secretary**

Ms. Opheim carries out inventory, equipment and software support functions and assists in back-up office support. She is half-time.



**Stephanie Sculthorp,
Administrative Secretary**

Ms. Sculthorp carries out office support functions, including data development, reporting, survey work, and assisting students and faculty. She is the assistant to the Graduate Coordinator.



Otto Borchert
Programmer Analyst
MS, North Dakota State University, 2008

Mr. Otto Borchert began his Programmer Analyst position August 2007. His duties include educational games, research and software development.



Guy Hokanson
Programmer Analyst
MS, North Dakota State University, 2010

Mr. Guy Hokanson began his Programmer Analyst position August 2007. His duties include educational games, research and software development.

Department of Computer Science Annual Report (2012-2013)

(Brian M. Slater, Department Head)

A Departmental Goals for 2012-13

1 Continue to provide faculty with announcements of external grant programs relevant to Their research areas. Senior faculty regularly invite junior faculty to participate in joint grant writing. Periodic research-intensive semesters for all faculty has completed one full cycle.

2. Continue the transition to our new requirements for the B S. in Computer Science; in particular, improve the quality of our second year courses (CSci 213 and 313), and our expectations for student learning in those courses;

CSci 213 and 313 were improved significantly this year. Students received substantial practice in practical software development in these courses as well as experience with modern development tools.

3. Increase the number of faculty participating in externally funded research;

4. Continue to realign our graduate programs towards more PhD, and fewer M.S. students; The number of students given conditional admittance was reduced.

5. Continue efforts to recruit more female undergraduate major students.

B. Accomplishments

A. Teaching

A. Changes

- i. CSci 213 and 313 taught in new format for the first time
- ii. CSci 7 41 replaced 708 as a core course in Computer Science graduate programs.

B. Progress

L Move to our new BS. requirements is almost complete
Our assessment report for 2012-13 provides the data, but in summary students improve by an average of approximately 0.5 (on a 5 point scale) as they proceed through our B.S. and B.A programs. By gradation, ninety percent of students have achieved our goals for the three objectives we assessed this year compared to approximately seventy percent under our previous curriculum. Graduate students continue to have difficulties with theoretical material, but they improve their mastery of theoretical and applied material as they progress through out programs.

ii. Our capstone course, CSci 445, continues to expand involvement with international universities, employers, and students

iii. Computer Science-Physics BS. Approved

iv. Assessment expanded to all graduate courses.

c. New Initiatives

- i. Starting to modernize and reduce credit load for Computer Science-Statistics M.S.
- ii. Assessment of Comprehensive/Qualifier and Final Examinations for graduate degrees.
- iii. New, proposed course in Cloud Computing
- iv. Changing Software Engineering comprehensive and qualifier examinations
Enrollment in Computer Science has declined slightly in the last year, from 4667 to 4570 (-2.08%), and as a consequence student credit hours also declined, from 14,727 to 14,464 (-1.79%). These are the insignificant fluctuations we observe from time to time. It is noteworthy that our 15.5 faculties still generate nearly 25 FTE.

B. Research/Scholarly/Creative Activities

The Department of Computer Science carried over fifteen research grants awarded to seven faculty for a total of \$1,208,171. In the last year another ten new awards were made to six faculty for \$250,334 for a grand total of \$1,458,505.

The 16 active members of the Department of Computer Science published 105 publications

C. Service/Outreach/Extension

Each tenured faculty member serves on committees for the department, college, and University. Tenure-track faculty are encouraged to pursue research in favor of service to the institution. Faculty members are encouraged to perform service in their profession, which mainly takes the form of conference organizing, publication refereeing, and serving on editorial boards.

In terms of summary data, the 16 faculty have 53 department committee memberships, 9 college committee membership, 13 university committees, and 142 instances of service to the profession.

D. Department/Unit/College Goals and Priorities for the Coming Year

In the coming year, the Department of Computer Science will

1. Carefully assess the new courses in our curriculum for positive outcomes
2. Increase the number of faculty participating in externally funded research
3. Continue to realign our graduate programs towards more PhD, and fewer M.S. students
4. Continue efforts to recruit more female undergraduate major students. Continue to expand our efforts to recruit students from other under-represented groups.

INSTRUCTION AND STUDENT SUCCESS

Capstone Projects:

2013 Projects	Opinion of Capstone Program*	Willing to sponsor next year	Final Grade from Sponsor	Comments - mine	Comments - Sponsor/Mentor
ATK	Very good	For sure	A	Nice job on a fairly tough project, good job producing a little bit each week	He appreciated their "clean and well organized" documentation including "very good req. and design documentation".
Bolder T	Very good	Likely	A+	Very strong group, worked well together and produced a great product for their sponsor	"Wow, this group was amazing." "Did I mention this was a fantastic group of students? They were a joy to work with. I can't say enough about them." "The organization of the whole program works well and I appreciate that it's flexible enough for us to insert some of our recommended development processes into the projects without disrupting the work expected from them."
Ericsson (Sweden)	Very good	For sure	A	Great job, especially since one of the team members flaked out during the last month	"I can't see that this project could have turned out much better. We've received an application which we can and will use."
FBS	Very good	For sure	A	Good job meeting requirements while learning new technologies	"They finished the core requirements and added some extra features all while meeting the test coverage goals."
IBM	Very good	For sure	A	This team worked harder than any I have ever had - over 1000 hours, they had to learn an incredible amount	"I was very pleased and hope to see the system in use. Thanks for the opportunity." "Excellent job" "...great opportunity for students to get exposure to real world process and projects" "It was a pleasure mentoring the project." "We look forward to continuing our relationship with NDSU and the computer science program in the future"
Inwerken (Germany)	Blank (missed that field)	For sure	A-	Very nice project that was a lot harder than anyone realized when it was first started, survey form from mentor was mainly check the box, lacked added comments but I know Ericsson was very happy with the results	"The team was really motivated."
John Deere	Very good	For sure	A	Good job picking up from last year and making some good improvements	"They worked well as a team and had motivation to do a good job. The code will be easy to fit into our environment and the modularity will allow us to maintain it easily."
Microsoft	Very good	For sure	A	Very good team that worked well together - seemed to have a lot of fun while getting a lot done, lots of learning	"This was the perfect capstone project, a real "win-win" for NDSU and Microsoft, in a fun area (phone)." "Make it a year long class!" "They had to learn a ton of new technologies, Objective-C, REST/odata, Xcode, etc."
NISC	Very good	For sure	A	Very good team that worked well together - able to dig in and learn a lot about Windows 8	"Love this program." "Gets better every year."
RDO	Very good	Likely	A	Nice job, worked well together	"good program - allows students to get real world/hands-on experience - also is a good resource for business to use and work with potential new employees." "We sponsored last year's project (2012) and are actively using that program. We will be implementing this year's program very soon as well."
UGPTI	Very good	For sure	A+	Very good team that worked well together, picked up a partially complete project from last year and made some very good improvements and extensions	"They did an excellent job and we are thrilled with their work." "It is a great program which is educational for both the students and sponsors."
	10 VG, one blank	9 For sure, 2 Likely			

Summary tabulation of the Project Sponsor Survey, Compiled May, 2013

	Students	Program Value				No Comment
	Very Good	Good	Marginal	Poor		
2005	8	11	2	1		
2006	13	5	1	1		
2007	20	6				
2008	30	6				
2009	25	6	1			
2010	33	18	4	1		1
2011	27	10				
2012	33	17	3			

	Sponsors	Opinion of Capstone Program				No Comment
	Very Good	Good	Marginal	Poor		
2005	13	6	1	1		2
2006	8	3				
2007	8	3				
2008	9	5				
2009	5	5				
2010	7	5				
2011	11	2				
2012	13	3				

Faculty Advisees 2012 – 2013

Last Name	First Name	Academic Level	Major Description	Advisor Name
Andersen	Zechariah	Senior	BS-Computer Science	Denton,Anne
Anderson	Stephen	Sophomore	BS-Computer Science	Denton,Anne
Berstler	Christopher	Senior	BS-Computer Science	Denton,Anne
Bjornstad	Christopher	Senior	BS-Computer Science	Denton,Anne
Boakai	Benedict	Freshman	BS-Computer Science	Denton,Anne
Brakvatne	Kristian	Junior	BS-Computer Science	Denton,Anne
Brazier	Tyler	Graduate	MS-Computer Science	Denton,Anne
Chakraborty	Ushashi	Graduate	MS-Computer Science	Denton,Anne
Kar	Angshu	Graduate	MS-Computer Science	Denton,Anne
Lim	Bryan	Junior	BS-Computer Science	Denton,Anne
Mahodaya	Rupam	Senior	BS-Computer Science	Denton,Anne
McEnroe	Thomas	Junior	BS-Computer Science	Denton,Anne
Nguyen	Austin	Senior	BA-Computer Science	Denton,Anne
Olson	Darwin	Senior	BS-Computer Science	Denton,Anne
Olson	Nathan	Graduate	MS-Computer Science	Denton,Anne
Ramirez Sanchez	Cesar	Senior	BS-Computer Science	Denton,Anne
Reetz	Shane	Senior	BS-Computer Science	Denton,Anne
Ruda	Stephen	Sophomore	BS-Computer Science	Denton,Anne
Sahni	Ritika	Graduate	MS-Computer Science	Denton,Anne
Schmidt	Matthew	Junior	BS-Computer Science	Denton,Anne
Sweet	Joshua	Graduate	PHD-Computer Science	Denton,Anne
Voels	Zachary	Junior	BS-Computer Science	Denton,Anne
Wilson	Carey	Sophomore	BA-Computer Science	Denton,Anne
Xu	Xing	Graduate	MS-Computer Science	Denton,Anne
Blakeman	Tanner	Freshman	BS-Computer Science	Dept. assigned,.
Chen	Xu	Freshman	BS-Computer Science	Dept. assigned,.
Ebersohl	Brandon	Sophomore	BS-Computer Science	Dept. assigned,.
Foell	Cody	Sophomore	BS-Computer Science	Dept. assigned,.
Ginkel	Jaron	Sophomore	BS-Computer Science	Dept. assigned,.
Hanson	Justin	Senior	BS-Computer Science	Dept. assigned,.
Hatzenbuehler	Alexander	Sophomore	BS-Computer Science	Dept. assigned,.
Jaiswal	Neelesh	Senior	BS-Computer Science	Dept. assigned,.
McGrath	Max	Junior	BS-Computer Science	Dept. assigned,.
Moe	Lauren	Freshman	BS-Computer Science	Dept. assigned,.
Reno	Brenden	Senior	BS-Computer Science	Dept. assigned,.
Riebe	Justen	Sophomore	BS-Computer Science	Dept. assigned,.
Sailer	Andrew	Sophomore	BS-Computer Science	Dept. assigned,.
Schultz	Jonathan	Freshman	BS-Computer Science	Dept. assigned,.

Sharma	Surya	Freshman	BS-Computer Science	Dept. assigned,.
Vandal	Andrew	Freshman	BS-Computer Science	Dept. assigned,.
Wikstrom	Cody	Sophomore	BS-Computer Science	Dept. assigned,.
Wolf	Zachary	Junior	BS-Computer Science	Dept. assigned,.
Aceituna	Daniel	Graduate	PHD-Software Engineering	Do,Hyunsook
Arneson	Corey	Sophomore	BS-Computer Science	Do,Hyunsook
Beaty	Thomas	Junior	BS-Computer Science	Do,Hyunsook
Behl	Dennis	Junior	BS-Computer Science	Do,Hyunsook
Demarais	Sarah	Sophomore	BS-Computer Science	Do,Hyunsook
Ehagama	Pramuka	Sophomore	BS-Computer Science	Do,Hyunsook
El-Ghandour	Bilal	Junior	BS-Computer Science	Do,Hyunsook
Faul	Trevor	Freshman	BS-Computer Science	Do,Hyunsook
Johnson	Gunnar	Senior	BS-Computer Science	Do,Hyunsook
Jones	Andrew	Senior	BS-Computer Science	Do,Hyunsook
Krenz	Eric	Sophomore	BS-Computer Science	Do,Hyunsook
Rensberger	John	Senior	BS-Computer Science	Do,Hyunsook
Subedi	Ujjwol	Senior	BS-Computer Science	Do,Hyunsook
Teubner	Michael	Senior	BS-Computer Science	Do,Hyunsook
VanSickle	Jordan	Junior	BS-Computer Science	Do,Hyunsook
Wiertzema	Travis	Senior	BS-Computer Science	Do,Hyunsook
Bayles	Michael	Junior	BS-Computer Science	Jin,Wei
Boberg	Matthew	Sophomore	BS-Computer Science	Jin,Wei
Geiser	Jeffrey	Senior	BA-Computer Science	Jin,Wei
Helgerson	Peyton	Senior	BS-Computer Science	Jin,Wei
Kumar	Ankit	Junior	BS-Computer Science	Jin,Wei
Kumasaru	Kalith	Senior	BS-Computer Science	Jin,Wei
Kwiecien	Stanley	Senior	BS-Computer Science	Jin,Wei
Moen	Luke	Senior	BS-Computer Science	Jin,Wei
Reuter	Chase	Senior	BS-Computer Science	Jin,Wei
Tran	Max	Senior	BS-Computer Science	Jin,Wei
Villareal	Joshua	Freshman	BS-Computer Science	Jin,Wei
Yan	Peng	Graduate	PHD-Computer Science	Jin,Wei
Zhu	Ya	Graduate	MS-Computer Science	Jin,Wei
Aggarwal	Vaibhav	Senior	BS-Computer Science	King,Tariq
Al-Ahmad	Bilal	Graduate	PHD-Software Engineering	King,Tariq
Altahlawi	Amro	Graduate	PHD-Software Engineering	King,Tariq
Anderson	Jeffrey	Graduate	PHD-Software Engineering	King,Tariq
Cocozzello	Thomas	Junior	BS-Computer Science	King,Tariq
Grant	James	Graduate	MS-Software Engineering	King,Tariq
Gupta	Swati	Graduate	MS-Software Engineering	King,Tariq
Hall	Jared	Graduate	MS-Software Engineering	King,Tariq
Heinle	Dennis	Junior	BS-Computer Science	King,Tariq

Katiyar	Arti	Graduate	MS-Software Engineering	King,Tariq
Kosse	Kaelen	Sophomore	BS-Computer Science	King,Tariq
Meske	Nicholas	Sophomore	BS-Computer Science	King,Tariq
Nelson	Beau	Junior	BS-Computer Science	King,Tariq
Pink	Joseph	Freshman	BS-Computer Science	King,Tariq
Radebaugh	Elliott	Junior	BS-Computer Science	King,Tariq
Steckling	Thomas	Freshman	BS-Computer Science	King,Tariq
Westerholm	James	Senior	BS-Computer Science	King,Tariq
Williams	Robert	Graduate	PHD-Software Engineering	King,Tariq
Brink	Tyler	Junior	BS-Computer Science	Kong,Jun
Colvin	Cade	Senior	BS-Computer Science	Kong,Jun
Eda	Madhusudana	Graduate	PHD-Software Engineering	Kong,Jun
Ehresmann	Nathan	Graduate	MS-Computer Science	Kong,Jun
Hogendorf	Brent	Freshman	BS-Computer Science	Kong,Jun
Katiyar	Pawan	Junior	BS-Computer Science	Kong,Jun
Kohli	Jyotjeev	Graduate	MS-Software Engineering	Kong,Jun
Kotala	Pratap	Graduate	PHD-Software Engineering	Kong,Jun
Lampl	Damian	Graduate	MS-Computer Science	Kong,Jun
Limke	Jed	Graduate	MS-Software Engineering	Kong,Jun
Noel	Elizabeth	Senior	BS-Computer Science	Kong,Jun
Roudaki	Amin	Graduate	PHD-Computer Science	Kong,Jun
Roy	Arjun	Graduate	PHD-Computer Science	Kong,Jun
Schantz	Keri	Freshman	BS-Computer Science	Kong,Jun
Schroeder	Kevin	Senior	BS-Computer Science	Kong,Jun
St. Amant	Christopher	Sophomore	BS-Computer Science	Kong,Jun
Wiesenborn	Jesse	Junior	BS-Computer Science	Kong,Jun
Zeman	Luke	Freshman	BA-Computer Science	Kong,Jun
Aakhus	Blake	Sophomore	BS-Computer Science	Krush,Joan
Altenburg	Kurt	Freshman	BS-Computer Science	Krush,Joan
Andersen	Caven	Freshman	BS-Computer Science	Krush,Joan
Anderson	John	Freshman	BS-Computer Science	Krush,Joan
Assumani	Rafiki	Junior	BS-Computer Science	Krush,Joan
Aus	Carter	Freshman	BS-Computer Science	Krush,Joan
Bal	Mehmet	Senior	BS-Computer Science	Krush,Joan
Bickler	John	Sophomore	BS-Computer Science	Krush,Joan
Borders	Michael	Sophomore	BS-Computer Science	Krush,Joan
Buchholz	Alex	Freshman	BS-Computer Science	Krush,Joan
Burdick	Steven	Sophomore	BS-Computer Science	Krush,Joan
Buringrud	Steven	Junior	BA-Computer Science	Krush,Joan
Canillas	Eric	Junior	BS-Computer Science	Krush,Joan
Chamberlain	Connor	Freshman	BS-Computer Science	Krush,Joan
Choi	Ju Ho	Sophomore	BS-Computer Science	Krush,Joan
Christiansen	Amanda	Freshman	BS-Computer Science	Krush,Joan

Christiansen	Alycia	Sophomore	BS-Computer Science	Krush,Joan
Christianson	Lauren	Sophomore	BA-Computer Science	Krush,Joan
Christianson	Scott	Sophomore	BS-Computer Science	Krush,Joan
Colberg	Jacob	Freshman	BS-Computer Science	Krush,Joan
Dahl	Michael	Freshman	BS-Computer Science	Krush,Joan
Dahlen	Kasey	Freshman	BS-Computer Science	Krush,Joan
Dammeier	Joel	Sophomore	BS-Computer Science	Krush,Joan
Dash	Siddhant	Senior	BA-Computer Science	Krush,Joan
De Silva	Nilmini	Senior	BS-Computer Science	Krush,Joan
DeBus	Jacob	Freshman	BS-Computer Science	Krush,Joan
Dee	Dillon	Sophomore	BS-Computer Science	Krush,Joan
Dobler	Donovan	Sophomore	BS-Computer Science	Krush,Joan
Dolney	Robert	Senior	BS-Computer Science	Krush,Joan
Douvier	Gregory	Senior	BS-Computer Science	Krush,Joan
Dvorak	Kavin	Junior	BS-Computer Science	Krush,Joan
Eaves	Daniel	Senior	BA-Computer Science	Krush,Joan
Fallenstein	Nicholas	Freshman	BS-Computer Science	Krush,Joan
Fellerer	Emily	Freshman	BS-Computer Science	Krush,Joan
Franzen	Matthew	Senior	BS-Computer Science	Krush,Joan
Godbout	Brandon	Sophomore	BS-Computer Science	Krush,Joan
Granlund	Peter	Sophomore	BS-Computer Science	Krush,Joan
Graupmann	Joshua	Freshman	BS-Computer Science	Krush,Joan
Gregoire	Kevin	Freshman	BS-Computer Science	Krush,Joan
Hall	Samuel	Freshman	BS-Computer Science	Krush,Joan
Halvorson	Caleb	Junior	BS-Computer Science	Krush,Joan
Harding	Steele	Sophomore	BS-Computer Science	Krush,Joan
Harlow	Eric	Freshman	BS-Computer Science	Krush,Joan
Haslop	Nolan	Junior	BS-Computer Science	Krush,Joan
Hatfield	Andrew	Senior	BA-Computer Science	Krush,Joan
Hauf	Amanda	Freshman	BS-Computer Science	Krush,Joan
Henderson	James	Freshman	BS-Computer Science	Krush,Joan
Higgins	Owen	Junior	BS-Computer Science	Krush,Joan
Jacobsen	Parker	Freshman	BS-Computer Science	Krush,Joan
Jaeger	Aaron	Freshman	BS-Computer Science	Krush,Joan
Johansen	Jacob	Freshman	BS-Computer Science	Krush,Joan
Kadeoua	Yvon	Junior	BS-Computer Science	Krush,Joan
King	Ryan	Senior	BS-Computer Science	Krush,Joan
Klegstad	Thomas	Freshman	BS-Computer Science	Krush,Joan
Klose	Nathanael	Freshman	BS-Computer Science	Krush,Joan
Knutson	Adam	Junior	BS-Computer Science	Krush,Joan
Kobilansky	Christopher	Freshman	BS-Computer Science	Krush,Joan
Kosis	Madeline	Senior	BS-Computer Science	Krush,Joan
Kukule Withanage	Pasindu	Senior	BS-Computer Science	Krush,Joan
Kulzer	Anthony	Junior	BS-Computer Science	Krush,Joan
Kurtz	Jordan	Freshman	BS-Computer Science	Krush,Joan

Arachchillage	Vishwajith	Senior	BS-Computer Science	Krush,Joan
Lambert	Austin	Freshman	BS-Computer Science	Krush,Joan
Larson	Alexander	Freshman	BS-Computer Science	Krush,Joan
Lauer	Ryan	Freshman	BS-Computer Science	Krush,Joan
Lien	Kristian	Junior	BS-Computer Science	Krush,Joan
Loegering	David	Freshman	BS-Computer Science	Krush,Joan
Longfellow	Thomas	Freshman	BS-Computer Science	Krush,Joan
Mack	Katelyn	Freshman	BS-Computer Science	Krush,Joan
Madsen	Jeffrey	Sophomore	BS-Computer Science	Krush,Joan
Mainz	John	Freshman	BS-Computer Science	Krush,Joan
Malnourie	Ramon	Senior	BA-Computer Science	Krush,Joan
Matson	William	Freshman	BS-Computer Science	Krush,Joan
Matzke	Ryan	Senior	BS-Computer Science	Krush,Joan
Mayer	Samuel	Freshman	BS-Computer Science	Krush,Joan
Meier	Ryan	Freshman	BS-Computer Science	Krush,Joan
Mellgren	Scott	Freshman	BS-Computer Science	Krush,Joan
Mellmer	Jason	Senior	BS-Computer Science	Krush,Joan
Millard	Devin	Junior	BS-Computer Science	Krush,Joan
Mische	Carlin	Freshman	BS-Computer Science	Krush,Joan
Mohs	Nicholas	Senior	BA-Computer Science	Krush,Joan
Molnar	Carl	Freshman	BS-Computer Science	Krush,Joan
Murray	Adam	Sophomore	BS-Computer Science	Krush,Joan
Nagel	John	Senior	Non-Degree	Krush,Joan
Nelson	Michael	Sophomore	BS-Computer Science	Krush,Joan
Nodland	Jordan	Sophomore	BS-Computer Science	Krush,Joan
O'Gara	Ryan	Freshman	BS-Computer Science	Krush,Joan
Palmer	Kyle	Freshman	BS-Computer Science	Krush,Joan
Paramarta	Dienul	Senior	BS-Computer Science	Krush,Joan
Paschke	Logan	Senior	BS-Computer Science	Krush,Joan
Paulson	Alexander	Freshman	BS-Computer Science	Krush,Joan
Perrault	Andrew	Sophomore	BA-Computer Science	Krush,Joan
Pester	Blake	Junior	BS-Computer Science	Krush,Joan
Pillera	Spencer	Sophomore	BA-Computer Science	Krush,Joan
Pokhrel	Hom	Senior	BS-Computer Science	Krush,Joan
Porter	Quintin	Freshman	BS-Computer Science	Krush,Joan
Raboin	Stephen	Sophomore	BS-Computer Science	Krush,Joan
Raguse	Scott	Senior	BS-Computer Science	Krush,Joan
Ramberg	Stephen	Sophomore	BS-Computer Science	Krush,Joan
Robinson	Christopher	Freshman	BS-Computer Science	Krush,Joan
Roise	Michael	Freshman	BS-Computer Science	Krush,Joan
Rotvold	Scott	Junior	BS-Computer Science	Krush,Joan
Rude	Joseph	Junior	BS-Computer Science	Krush,Joan
Ryan	Kyle	Sophomore	BS-Computer Science	Krush,Joan
Sailer	Dillon	Freshman	BS-Computer Science	Krush,Joan
Schumacher	Michael	Freshman	BS-Computer Science	Krush,Joan

Sharma	Nishant	Senior	BS-Computer Science	Krush,Joan
Shuck	Austin	Freshman	BS-Computer Science	Krush,Joan
Smith	Caleb	Freshman	BS-Computer Science	Krush,Joan
Sommer	Aaron	Freshman	BS-Computer Science	Krush,Joan
Spofford	Daniel	Freshman	BS-Computer Science	Krush,Joan
Stasko	Nicholas	Junior	BS-Computer Science	Krush,Joan
Steen	Brett	Senior	BS-Computer Science	Krush,Joan
Struxness	Jeremy	Junior	BS-Computer Science	Krush,Joan
Sullivan	Matthew	Sophomore	BS-Computer Science	Krush,Joan
Talbot	Kristofer	Sophomore	BS-Computer Science	Krush,Joan
Tan	Joshua	Senior	BS-Computer Science	Krush,Joan
Taylor	Mackenzey	Freshman	BS-Computer Science	Krush,Joan
Thompson	Matthew	Senior	BS-Computer Science	Krush,Joan
Trelstad	Erik	Freshman	BS-Computer Science	Krush,Joan
Tsog	Baldorj	Senior	BA-Computer Science	Krush,Joan
Valnes	Taylor	Senior	BS-Computer Science	Krush,Joan
Verma	Goonj	Junior	BS-Computer Science	Krush,Joan
Vietz	Zachary	Freshman	BS-Computer Science	Krush,Joan
Wahlin	Casey	Sophomore	BS-Computer Science	Krush,Joan
Waraich	Tarunveer	Junior	BS-Computer Science	Krush,Joan
Weas	Andrew	Freshman	BS-Computer Science	Krush,Joan
Williams	Brian	Senior	BS-Computer Science	Krush,Joan
Wills	Brian	Senior	BS-Computer Science	Krush,Joan
Wiltz	Patrick	Senior	BS-Computer Science	Krush,Joan
Workman	Dustin	Junior	BS-Computer Science	Krush,Joan
Yan	Qianwen	Freshman	BS-Computer Science	Krush,Joan
Yang	Weikang	Sophomore	BS-Computer Science	Krush,Joan
Zhang	Shujian	Junior	BS-Computer Science	Krush,Joan
Baier	Ryan	Sophomore	BS-Computer Science	Li,Juan
Bat-Otgon	Bat-Od	Senior	BS-Computer Science	Li,Juan
Drussell	Benjamin	Senior	BS-Computer Science	Li,Juan
Emamian	Peyman	Graduate	MS-Computer Science	Li,Juan
Ginjala	Ashok Reddy	Graduate	MS-Computer Science	Li,Juan
Goparaju	Aditya	Graduate	PHD-Computer Science	Li,Juan
Iverson	Kenneth	Senior	BS-Computer Science	Li,Juan
Krumm	Tanya	Senior	BS-Computer Science	Li,Juan
Mudgal	Akshay	Graduate	MS-Computer Science	Li,Juan
Narang	Lovekesh	Senior	BS-Computer Science	Li,Juan
Palazzo	Anthony	Senior	BS-Computer Science	Li,Juan
Salveson	Keenan	Sophomore	BS-Computer Science	Li,Juan
Schiermeister	Randy	Senior	BS-Computer Science	Li,Juan
Sharma	Akshat	Junior	BS-Computer Science	Li,Juan
Zaman	Nazia	Graduate	PHD-Computer Science	Li,Juan

Al-Madi	Nailah	Graduate	PHD-Computer Science	Ludwig,Simone
Barat	Debarshi	Graduate	MS-Computer Science	Ludwig,Simone
Bienusa	Dillon	Sophomore	BS-Computer Science	Ludwig,Simone
Brinker	Nathaniel	Freshman	BS-Computer Science	Ludwig,Simone
Calvillo	Anthony	Sophomore	BS-Computer Science	Ludwig,Simone
Chen	Min	Graduate	PHD-Computer Science	Ludwig,Simone
Daggubati	Satyanarayana	Graduate	MS-Computer Science	Ludwig,Simone
Frederick	Sean	Senior	BA-Computer Science	Ludwig,Simone
Harling	Kelsey	Freshman	BS-Computer Science	Ludwig,Simone
Johnson	Adam	Freshman	BS-Computer Science	Ludwig,Simone
Pouriyeh	Seyed Amin	Graduate	PHD-Computer Science	Ludwig,Simone
Reinke	Ben	Sophomore	BS-Computer Science	Ludwig,Simone
Schumacher	Colton	Sophomore	BS-Computer Science	Ludwig,Simone
Song	Yechun	Senior	BS-Computer Science	Ludwig,Simone
Abeyratne	Keith	Graduate	MS-Software Engineering	Magel,Kenneth
Agbee	Adodo	Graduate	MS-Software Engineering	Magel,Kenneth
Agrawal	Ruhi	Graduate	MSE-Software Engineering	Magel,Kenneth
Ahmed	Syed	Graduate	CERT-Software Engineering	Magel,Kenneth
Alemerien	Khalid	Graduate	PHD-Software Engineering	Magel,Kenneth
Alenezi	Mamdouh	Graduate	PHD-Software Engineering	Magel,Kenneth
Anu	Vaibhav	Graduate	MS-Software Engineering	Magel,Kenneth
Bani Ta'an	Shadi	Graduate	PHD-Computer Science	Magel,Kenneth
Barakat	Rahaf	Graduate	PHD-Software Engineering	Magel,Kenneth
Barnick	Chris	Sophomore	BS-Computer Science	Magel,Kenneth
Bhardwaj	Vidushi	Graduate	MSE-Software Engineering	Magel,Kenneth
Bischoff	Nancy	Graduate	MSE-Software Engineering	Magel,Kenneth
Chagonda	Arthur	Graduate	MSE-Software Engineering	Magel,Kenneth
Christeson	Eric	Graduate	MS-Software Engineering	Magel,Kenneth
Dhankher	Deepak	Graduate	MSE-Software Engineering	Magel,Kenneth
Dhungel	Bibhor	Graduate	MSE-Software Engineering	Magel,Kenneth
Elhassani	Abdelhadi	Graduate	MS-Software Engineering	Magel,Kenneth
Fonseka	Nilukshi	Graduate	MS-Software Engineering	Magel,Kenneth
Gali	Joseph	Graduate	MSE-Software Engineering	Magel,Kenneth
Gautam	Pooja	Graduate	MS-Software Engineering	Magel,Kenneth
Geffre	Tyler	Senior	BS-Computer Science	Magel,Kenneth
Gemuend	Thomas	Graduate	MSE-Software Engineering	Magel,Kenneth
Goswami	Anurag	Graduate	MS-Software Engineering	Magel,Kenneth
Gupta	Divya	Graduate	MSE-Software Engineering	Magel,Kenneth
Gupta	Munmun	Graduate	MS-Software Engineering	Magel,Kenneth
Gupta	Nimish	Graduate	MS-Software Engineering	Magel,Kenneth
Hammer	Daniel	Sophomore	BS-Computer Science	Magel,Kenneth
Harikrishnan	Deepthi	Graduate	MS-Software Engineering	Magel, Kenneth
Hassan	Amro	Graduate	MS-Software Engineering	Magel,Kenneth
Hedden	David	Senior	BS-Computer Science	Magel,Kenneth

Hegde	Shishir	Graduate	MSE-Software Engineering	Magel,Kenneth
Hossain	Md.	Graduate	MS-Software Engineering	Magel,Kenneth
Humphrey	Cody	Freshman	BS-Computer Science	Magel,Kenneth
Jacobs	Adam	Graduate	MS-Software Engineering	Magel,Kenneth
Joshi	Kailash	Graduate	MS-Software Engineering	Magel,Kenneth
Kanaparthi	Ganga Srinivas	Graduate	MSE-Software Engineering	Magel,Kenneth
Karan Chitkara	FNU	Graduate	MSE-Software Engineering	Magel,Kenneth
Kumar	Mukesh	Graduate	MS-Software Engineering	Magel,Kenneth
Kwete	Yannick	Graduate	MS-Software Engineering	Magel,Kenneth
Lacher	Lisa	Graduate	PHD-Software Engineering	Magel,Kenneth
Maharjan	Binod	Graduate	MSE-Software Engineering	Magel,Kenneth
McIntyre	Scott	Graduate	MSE-Software Engineering	Magel,Kenneth
Mehta	Puneet	Graduate	MS-Software Engineering	Magel,Kenneth
Minot	Scott	Graduate	MS-Software Engineering	Magel,Kenneth
Mishra	Nikita	Graduate	MSE-Software Engineering	Magel,Kenneth
Moran	Crystal	Freshman	BS-Computer Science	Magel,Kenneth
Munowenyu	Joseph	Graduate	MSE-Software Engineering	Magel,Kenneth
Murugaiyan	Elangovan	Graduate	MS-Software Engineering	Magel,Kenneth
Nelson	Douglas	Senior	BS-Computer Science	Magel,Kenneth
Niroula	Umanga	Graduate	MSE-Software Engineering	Magel,Kenneth
Nygaard	Justin	Senior	BS-Computer Science	Magel,Kenneth
Obeidat	Qasem	Graduate	PHD-Software Engineering	Magel,Kenneth
Perez	Paulo	Graduate	MSE-Software Engineering	Magel,Kenneth
Puri	Rahul	Graduate	MS-Software Engineering	Magel,Kenneth
Rajendran	Senthilkumar	Graduate	MSE-Software Engineering	Magel,Kenneth
Rastogi	Aakanksha	Graduate	MSE-Software Engineering	Magel,Kenneth
Rathnaweera	Obinamuni Sudeepa	Graduate	MSE-Software Engineering	Magel,Kenneth
Reddymalla	Srinivasreddy	Graduate	MSE-Software Engineering	Magel,Kenneth
Riendeau	Justin	Senior	BS-Computer Science	Magel,Kenneth
Rogers	Wesley	Senior	BS-Computer Science	Magel,Kenneth
Roudaki	Ali	Graduate	MS-Software Engineering	Magel,Kenneth
Salam	Tareq	Graduate	PHD-Software Engineering	Magel,Kenneth
Sathiasaelan	Anu Evelyn	Graduate	MS-Software Engineering	Magel,Kenneth
Schauer	Jesse	Graduate	MSE-Software Engineering	Magel,Kenneth
Schon	Nicholas	Freshman	BS-Computer Science	Magel,Kenneth
Schuler	Jonathan	Senior	BS-Computer Science	Magel,Kenneth
Schwartz	Amanda	Graduate	PHD-Software Engineering	Magel,Kenneth
Sharma	Parimal	Graduate	MSE-Software Engineering	Magel,Kenneth
Sharma	Prayash	Graduate	MSE-Software Engineering	Magel,Kenneth
Sharma	Rahul	Graduate	MS-Software Engineering	Magel,Kenneth
Sheoran	Deepak	Graduate	MSE-Software Engineering	Magel,Kenneth
Shrestha	Ujjwal	Graduate	MSE-Software Engineering	Magel, Kenneth
Sijapati	Cady	Graduate	MS-Software Engineering	Magel,Kenneth
Simley	Judi	Graduate	MS-Software Engineering	Magel,Kenneth
Singh	Abhinav	Graduate	MS-Software Engineering	Magel,Kenneth

Singh	Kunal	Graduate	MS-Software Engineering	Magel,Kenneth
Srichinta	Pallavi	Graduate	MS-Software Engineering	Magel,Kenneth
Syed	Ahmed	Graduate	MSE-Software Engineering	Magel,Kenneth
Synkowski	Lee	Graduate	MSE-Software Engineering	Magel,Kenneth
Tomar	Anil	Graduate	MSE-Software Engineering	Magel,Kenneth
Tripathi	Snnahill	Graduate	MS-Software Engineering	Magel,Kenneth
Wallach	Michael	Graduate	PHD-Software Engineering	Magel,Kenneth
Wass	Cody	Senior	BS-Computer Science	Magel,Kenneth
Zeng	Lieming	Graduate	MSE-Software Engineering	Magel,Kenneth
Agarwal	Abhishek	Graduate	MS-Computer Science	Nygard,Kendall
Ahmed	Syed Kutub Uddin	Graduate	MS-Computer Science	Nygard,Kendall
Akour	Mohammed	Graduate	PHD-Software Engineering	Nygard,Kendall
Aljarah	Ibrahim	Graduate	PHD-Computer Science	Nygard,Kendall
Amanchi	Srinivas Adithya	Graduate	MS-Computer Science	Nygard,Kendall
Annadi	Ramakanth	Graduate	MS-Computer Science	Nygard,Kendall
Arafat	Imtiaz	Graduate	MS-Computer Science	Nygard,Kendall
Bauer	Kevin	Graduate	MS-Computer Science	Nygard,Kendall
Bavanari	Haribabu	Graduate	MS-Computer Science	Nygard,Kendall
Bou ghosn	Steve	Graduate	PHD-Computer Science	Nygard,Kendall
Byrisetty	Naga Chaitanya	Graduate	MS-Computer Science	Nygard,Kendall
Chakravarthi	Satheesh	Graduate	PHD-Computer Science	Nygard,Kendall
Chao	Meng	Graduate	MS-Computer Science	Nygard,Kendall
Chekuri	Srujan Kumar Raju	Graduate	MS-Computer Science	Nygard,Kendall
Chowdhury	Md.	Graduate	MS-Computer Science	Nygard,Kendall
Dandu	Naveen	Graduate	MS-Computer Science	Nygard,Kendall
Dass	Pranav	Graduate	PHD-Computer Science	Nygard,Kendall
Dawar	Deepak	Graduate	MS-Computer Science	Nygard,Kendall
Dinesh Singh	FNU	Graduate	MS-Computer Science	Nygard,Kendall
Dutta	Anubrata	Graduate	MS-Computer Science	Nygard,Kendall
Gadiparthi	Sudheer	Graduate	MS-Computer Science	Nygard,Kendall
Gagneja	Kanwalinder jit	Graduate	PHD-Computer Science	Nygard,Kendall
Ganti	Annaji Sharma	Graduate	PHD-Computer Science	Nygard,Kendall
Garg	Bandana	Graduate	MS-Computer Science	Nygard,Kendall
Garg	Tarun	Graduate	MS-Computer Science	Nygard,Kendall
Ginjudalli	Siva Krishna	Graduate	MS-Computer Science	Nygard,Kendall
Hegde	Reshma	Graduate	MS-Computer Science	Nygard,Kendall
Helsene	Adam	Graduate	MS-Computer Science	Nygard,Kendall
Jahan	Farzana	Graduate	MS-Software Engineering	Nygard,Kendall
K.C.	Puja	Graduate	MS-Computer Science	Nygard,Kendall
Kale	Neha	Graduate	MS-Computer Science	Nygard,Kendall
Kambhampaty	Krishna	Graduate	PHD-Computer Science	Nygard,Kendall
Kaparthi	Nikhitha	Graduate	MS-Computer Science	Nygard,Kendall
Kapoor	Raghav	Graduate	MS-Computer Science	Nygard,Kendall
Khosla	Sourabh	Graduate	MS-Computer Science	Nygard,Kendall

Kolluru	Sunil	Graduate	MS-Computer Science	Nygaard,Kendall
Konar	Prosenjit	Graduate	PHD-Computer Science	Nygaard,Kendall
Kroshus	John	Graduate	MS-Computer Science	Nygaard,Kendall
Kundur	Anuroop	Graduate	MS-Computer Science	Nygaard,Kendall
Landin	Michael	Graduate	MS-Computer Science	Nygaard,Kendall
Loree	Paul	Graduate	PHD-Computer Science	Nygaard,Kendall
Madamanchi	Devi	Graduate	MS-Computer Science	Nygaard,Kendall
Madamanchi	Manoj Babu	Graduate	MS-Computer Science	Nygaard,Kendall
Mahabaleshwar	Mahesh	Graduate	MS-Computer Science	Nygaard,Kendall
Manne	Priyanka	Graduate	MS-Computer Science	Nygaard,Kendall
Mohpal	Aditi	Graduate	MS-Software Engineering	Nygaard,Kendall
Mucha	Nithisha	Graduate	MS-Computer Science	Nygaard,Kendall
Mukhami	Sudesh	Graduate	MS-Computer Science	Nygaard,Kendall
Pachaiyappan	Sathya	Graduate	MS-Software Engineering	Nygaard,Kendall
Pandey	Anand	Graduate	MS-Software Engineering	Nygaard,Kendall
Param	Sowjanya	Graduate	MS-Computer Science	Nygaard,Kendall
Paturu Raghunatha Rao	Nityananda Suresh	Graduate	MS-Computer Science	Nygaard,Kendall
Phadke	Swapna	Graduate	MS-Computer Science	Nygaard,Kendall
Poudyal	Abhaya	Graduate	MS-Software Engineering	Nygaard,Kendall
Rajan	Prateek	Graduate	MS-Computer Science	Nygaard,Kendall
Ranganathan	Prakash	Graduate	PHD-Software Engineering	Nygaard,Kendall
Rehman	Sana	Graduate	MS-Computer Science	Nygaard,Kendall
Saha	Barsha	Graduate	MS-Computer Science	Nygaard,Kendall
Schaefer	Christopher	Graduate	MS-Computer Science	Nygaard,Kendall
Seetan	Raed	Graduate	PHD-Computer Science	Nygaard,Kendall
Sen	Sourya	Graduate	MS-Computer Science	Nygaard,Kendall
Sen	Souvik	Graduate	MS-Computer Science	Nygaard,Kendall
Sharma	Aman	Graduate	MS-Software Engineering	Nygaard,Kendall
Shevkar	Rupali	Graduate	MS-Computer Science	Nygaard,Kendall
Sikharam	Sandeep	Graduate	MS-Computer Science	Nygaard,Kendall
Singh	Manish	Graduate	MS-Computer Science	Nygaard,Kendall
Singh	Saumya	Graduate	MS-Computer Science	Nygaard,Kendall
Singh	Sonal	Graduate	MS-Computer Science	Nygaard,Kendall
Singh	Yashaswi	Graduate	MS-Computer Science	Nygaard,Kendall
Soni	Gaurav	Graduate	MS-Computer Science	Nygaard,Kendall
Stone	Jason	Graduate	MS-Software Engineering	Nygaard,Kendall
Teotia	Ashish	Graduate	MS-Computer Science	Nygaard,Kendall
Tiwari	Shweta	Graduate	MS-Computer Science	Nygaard,Kendall
Vafaei	Fereydoon	Graduate	PHD-Computer Science	Nygaard,Kendall
Vallabh	Kiran	Graduate	MS-Computer Science	Nygaard,Kendall
Valluru	Srikanth	Graduate	MS-Computer Science	Nygaard,Kendall
Vellaswamy Chelaiah				
Rothimasw	Ashok Kumar	Graduate	MS-Computer Science	Nygaard,Kendall
Wang	Di	Graduate	MS-Computer Science	Nygaard,Kendall
Wang	Yijun	Graduate	MS-Software Engineering	Nygaard,Kendall

Yadav	Asha	Graduate	MS-Computer Science	Nygard,Kendall
Yang	Yingjie	Graduate	MS-Computer Science	Nygard,Kendall
Yarram	Vishnu V Reddy	Graduate	MS-Computer Science	Nygard,Kendall
Zhao	Jingjun	Graduate	PHD-Computer Science	Nygard,Kendall
Backman	Kevin	Senior	BS-Computer Science	Perrizo,William
Cain	Michael	Senior	BS-Computer Science	Perrizo,William
Chatterjee	Arijit	Graduate	PHD-Computer Science	Perrizo,William
Clark	Benjamin	Senior	BS-Computer Science	Perrizo,William
Hossain	Mohammad	Graduate	PHD-Computer Science	Perrizo,William
Janssen	Lance	Sophomore	BS-Computer Science	Perrizo,William
Mesich	Bryan	Graduate	MS-Computer Science	Perrizo,William
Ntaate	Allan	Freshman	BS-Computer Science	Perrizo,William
Pavicic	Abel	Junior	BS-Computer Science	Perrizo,William
Piehl	Matthew	Graduate	MS-Computer Science	Perrizo,William
Stutsman	Samuel	Junior	BS-Computer Science	Perrizo,William
Upton	Alexander	Junior	BS-Computer Science	Perrizo,William
Adducci	Christopher	Junior	BS-Computer Science	Salem,Saeed
Alroobi	Rami	Graduate	PHD-Computer Science	Salem,Saeed
Brewer	Adam	Sophomore	BS-Computer Science	Salem,Saeed
Hanson	Brady	Freshman	BS-Computer Science	Salem,Saeed
Johnson	Daniel	Junior	BS-Computer Science	Salem,Saeed
Sandberg	Adam	Junior	BS-Computer Science	Salem,Saeed
Thomas	Michael	Sophomore	BS-Computer Science	Salem,Saeed
Amuge	Betty	Graduate	MS-Computer Science	Slator,Brian
Borchert	Otto	Graduate	PHD-Computer Science	Slator,Brian
Frovarp	Richard	Graduate	MS-Computer Science	Slator,Brian
Kariluoma	Matti	Graduate	MS-Computer Science	Slator,Brian
Momsen	Eric	Graduate	MS-Computer Science	Slator,Brian
Anderson	Justin	Senior	BS-Computer Science	Ubhaya,Vasant
Blaha	Ryan	Sophomore	BS-Computer Science	Ubhaya,Vasant
Bourdeaux	Christopher	Senior	BS-Computer Science	Ubhaya,Vasant
Chintapalli	Veera Venkata	Graduate	MS-Computer Science	Ubhaya,Vasant
Damm	Jaren	Junior	BS-Computer Science	Ubhaya,Vasant
Devney	John	Senior	BS-Computer Science	Ubhaya,Vasant
Gordon	Madeline	Sophomore	BS-Computer Science	Ubhaya,Vasant
Grimes	Timothy	Senior	BS-Computer Science	Ubhaya,Vasant
Hanson	Kyle	Junior	BS-Computer Science	Ubhaya,Vasant
Huckle	Jesse	Sophomore	BS-Computer Science	Ubhaya,Vasant
Loegering	Davin	Senior	BS-Computer Science	Ubhaya,Vasant
Nordsven	Benjamin	Senior	BS-Computer Science	Ubhaya,Vasant
Stein	Adam	Freshman	BS-Computer Science	Ubhaya,Vasant

Welle	Michael	Senior	BS-Computer Science	Ubhaya,Vasant
Agarwal	Palak	Graduate	MS-Software Engineering	Walia,Gursimran
Bartholomew	Joshua	Senior	BS-Computer Science	Walia,Gursimran
Bellefeuille	Joshua	Junior	BS-Computer Science	Walia,Gursimran
Beneke	Lucas	Sophomore	BS-Computer Science	Walia,Gursimran
Hamberg	Zachary	Freshman	BS-Computer Science	Walia,Gursimran
Hasse	Christopher	Sophomore	BS-Computer Science	Walia,Gursimran
Hettiarachchi	Charitha	Graduate	PHD-Software Engineering	Walia,Gursimran
Radermacher	Alex	Graduate	MS-Software Engineering	Walia,Gursimran
Rutgers	Peter	Junior	BS-Computer Science	Walia,Gursimran
Sharma	Sonu	Graduate	MS-Software Engineering	Walia,Gursimran
Szurek	Jeffrey	Freshman	BS-Computer Science	Walia,Gursimran
Tomer	Avijeet	Graduate	MS-Software Engineering	Walia,Gursimran
Alean	Angela	Freshman	BS-Computer Science	Yan,Changhui
Benaragama Vidanelage	Malinda	Graduate	MS-Software Engineering	Yan,Changhui
Cheng	Wen	Graduate	PHD-Computer Science	Yan,Changhui
Fischer	Steven	Sophomore	BS-Computer Science	Yan,Changhui
Gan	Jie	Sophomore	BS-Computer Science	Yan,Changhui
Hoque	Rahmanul	Sophomore	BS-Computer Science	Yan,Changhui
Kube	Alexander	Senior	BS-Computer Science	Yan,Changhui
Larson	Rachel	Senior	BS-Computer Science	Yan,Changhui
Luthjohn	Sean	Junior	BS-Computer Science	Yan,Changhui
Miller	Logan	Junior	BS-Computer Science	Yan,Changhui
Summers	Kelly	Senior	BS-Computer Science	Yan,Changhui

RESEARCH/CREATIVE ACTIVITY

Grants/Contracts/Research:

COMPUTER SCIENCE DEPARTMENT GRANTS AND CONTRACTS, PART 1 PROJECTS INITIATED PRIOR TO JULY 1, 2012, AND CONTINUING INTO THE 2012-2013 ACADEMIC YEAR

YEAR	GRANT #	PRINCIPAL INVESTIGAT OR	TITLE	FUNDING SOURCE	AMOUNT
7-1-11 to 6-30-14	17967	Denton	Data Driven Support for the Smart Farm	NSF	254,499
8-1-11 to 7-31-12	18079	Denton	NDSU Computer Science Industry Consortium Program (ICP)	Phoenix International	15,000
1-12 to 1-13	18565	Denton	Flood Monitor Tech Fee	ITS	8,883
4-1-12 to 3-31-17	18859	Do	CAREER Award	NSF	250,000
4/1/12 to 3/31/17	20086	Do	Career Award REU Supplement	NSF	16,000
7/11 to	18674	Denton	Desktop virtualization pilot project	NDSU Tech Fee	66,847
7-1-11 to 6-30-14	18752	Knudson	Data Driven Support for the Smart Farm	NSF	24,928
7/11/11 to	19128	Knudson	Upper Gread Plains	UPGPI	15,000
9-15-11 to 8-31-14	18160	Kong	MRI – Development of a Cross Platform Infrastructure	NSF	300,000
7-09	18703	Magel	Faculty Course Development for an on-line MSE		25,000
8-12 to 7-13	Found ation	Nygard	Zhejiang Economic and Trade Polytechnic Instructional Workshop	Zhejiang Economic and Trade Polytechnic	9,000
3-12 to 4/13	18139	Nygard	Military Logistics	Upper Great Plains	5,000
8-1-11 to 7-31-12	18080	Salem	NDSU Computer Science Industry Consortium Program (ICP)	American Crystal Sugar	15,000
8-1-11 to 7-31-12	18083	Salem	NDSU Computer Science Industry Consortium Program (ICP)	RDO Equipment Company	15,000
7-1-11 to 6-30-14	18751	Salem	Data Driven Support for the Smart Farm	NSF	108,014
TOTAL					1,208,171

**COMPUTER SCIENCE DEPARTMENT GRANTS AND CONTRACTS
PROJECTS INITIATED DURING THE JULY 1, 2012 TO JUNE 30, 2013 TIME PERIOD**

YEAR	GRANT #	PRINCIPAL INVESTIGA TOR	TITLE	FUNDING SOURCE	AMOUNT
8/16/12 – 8/15/13	20418	Denton	EPSCoR GSRA Award – Sweet	NSP Epscor	27,685
8/16/12 to 6/30/13	20503	Denton	Epscor Sugar Labs	NDUS Epscor	20,000
10/15/12	18080	Denton	NDSU Computer Science Industry Consortium Program (ICP)	American Crystal	15,000
10/15/12	18079	Knudson	NDSU Computer Science Industry Consortium Program (ICP)	Phoenix International	15,000
12/13/12	18083	Knudson	NDSU Computer Science Industry Consortium Program (ICP)	RDO Equipment	15,000
8/16/12 to 12/31/12	20376	Li	Fall 2012 Advance Forward Course Release Award	NSF	6,465
9/1/12 to 8/31/13	20530	Ludwig	Epscor LEAP Award	NSF	42,900
10/18/12	14560	Nygard	Zhejiang Economic and Trade Polytechnic	ZJEPT	11,700
1/1/13 to 12/31/13	21082	Nygard	Great Plains Cooperative Ecosystem Studies Unit (CESU	US Dept of Interior	17,625
8/15/12 to 7/31/15	19447	Walia	Integrating Testing into Advanced CS/IT Courses	NSF	78,959
Totals					250,334

Fall 2011 / Spring 2012 Graduate Research Assistants

Keith Abeyratne	Anubrata Dutta	Malinda Sanjaka
Daniel Aceituna	Shishir Hegde	Christopher Schaefer
Sarthak Ahuja	Mohammad Hossain	Raed Seetan
Syed Ahmed	MD Hossain	Peng Yan
Mohammad Akour	Adam Jacobs	Yingjie Yang
Omar Al-Azzam	Neha Kale	John Xing Xu
Nailah Al-Madi	Sourabh Khosla	Jingjun Zhao
Loai Al-Nemer	Qingrui Li	Ya Zhu

Fall 2012 / Spring 2013 Undergraduate Research Assistants

Akshat Sharma
Alex Kube
Cesar Ramirez
John Bugner
Joseph Ching

Justin Anderson
Kevin Dvorak
Logan Paschke
Nathan Spanier
Spencer Bliss

Faculty Articles/Books/Publications/Presentation and Course Instruction:

Rui Dai

Peer-reviewed publication: 3

Invited National, international presentations: 1

Anne Denton

Peer-reviewed publication: 4

Invited National, international presentations: 1

Hyunsook Do

Peer-reviewed publication: 2

Invited National, international presentations: 4

Wei Jin

Peer-reviewed publication: 7

Invited National, international presentations: 3

Dean Knudson

Peer-reviewed publication: 1

Invited National, international presentations: 0

Jun Kong

Peer-reviewed publication: 7

Invited National, international presentations: 0

Juan Li

Peer-reviewed publication: 9

Invited National, international presentations: 7

Simone Ludwig

Peer-reviewed publication: 9

Invited National, international presentations: 4

Kenneth Magel

Peer-reviewed publication: 2

Invited National, international presentations: 0

Kendall Nygard

Peer-reviewed publication: 21

Invited National, international presentations: 0

William Perrizo

Peer-reviewed publication: 10

Invited National, international presentations: 1

Saeed Salem

Peer-reviewed publication: 5

Invited National, international presentations: 4

Brian Slator

Peer-reviewed publication: 6

Invited National, international presentations: 1

Vasant Ubhaya

Peer-reviewed publication: 1

Invited National, international presentations: 1

Gursimran Walia

Peer-reviewed publication: 13

Invited National, international presentations: 4

Changhui Yan

Peer-reviewed publication: 5

Invited National, international presentations: 3

C. OUTREACH

Cooperative Education:

Placement Summary Fall 2012, Spring and Summer 2013

Semester	Last Name	First Name	Employer	Employer City	Employer State	Job Type	Major
Fall 2012	Singh	Sonal	Baanyan Software Services, Inc	Edison	New Jersey	Full-time Coop	Computer Science
Fall 2012	Kosis	Madeline	Bobcat/Doosan	Gwinner	North Dakota	Full-time Coop	Computer Science
Fall 2012	Roy	Arjun	Crescent Electric Supply Company	Dubuque	Illinois	Full-time Coop	Computer Science
Fall 2012	Rensberger	John	Doosan Information & Communications America	Fargo	North Dakota	Full-time Coop	Computer Science
Fall 2012	Paramarta	Dienul	Evolution1	Fargo	North Dakota	Part-time Coop	Computer Science
Fall 2012	Gadiparthi	Sudheer	Indus Valley Consultants, Inc	Dayton	Ohio	Full-time Coop	Computer Science
Fall 2012	Chao	Meng	Intelligent InSites	Fargo	North Dakota	Part-time Coop	Computer Science
Fall 2012	Colvin	Cade	Intelligent InSites	Fargo	North Dakota	Part-time Coop	Computer Science
Fall 2012	Wiertzema	Travis	Myriad Mobile	Fargo	North Dakota	Part-time Coop	Computer Science
Fall 2012	Sharma	Akshat	Preventice	Fargo	North Dakota	Full-time Coop	Computer Science
Fall 2012	Kundur	Anuroop	RDO Equipment	Fargo	North Dakota	Part-time Coop	Computer Science
Fall 2012	Amanchi	Srinivas Adithya	Sarayu Consultants, Inc	Palatine	Illinois	Full-time Coop	Computer Science
Fall 2012	Barat	Debarshi	Simplion Technologies Inc	Milpitas	California	Full-time Coop	Computer Science
Fall 2012	Singh	Manish	Simplion Technologies Inc	Milpitas	California	Full-time Coop	Computer Science
Fall 2012	Khosla	Sourabh	Tech Mahindra Americas Inc	Fargo	North Dakota	Full-time Coop	Computer Science
Fall 2012	Soni	Gaurav	Tech Mahindra Americas Inc	Fargo	North Dakota	Full-time Coop	Computer Science
Fall 2012	Singh	Dinesh	Tech Mahindra Americas Inc	Fargo	North Dakota	Full-time Coop	Computer Science
Fall 2012	Kumar	Ankit	WennSoft, Inc.	Fargo	North Dakota	Full-time Coop	Computer Science
Fall 2012	Hossain	Mohammad	West Fargo Public Schools	West Fargo	North Dakota	Full-time Coop	Computer Science
Fall 2012	Aggarwal	Vaibhav	WoWiWe Instruction Co. LLC	Fargo	North Dakota	Part-time Coop	Computer Science
Spring 2013	Singh	Sonal	Baanyan Software Services, Inc	Edison	New Jersey	Full-time Coop	Computer Science
Spring 2013	Valluru	Srikanth	BAVE Technologies Inc.	Austin	Texas	Full-time Coop	Computer Science
Spring 2013	Amanchi	Srinivas Adithya	BAVE Technologies Inc.	Austin	Texas	Full-time Coop	Computer Science
Spring 2013	Kosis	Madeline	Bobcat/Doosan	Gwinner	North Dakota	Full-time Coop	Computer Science
Spring 2013	Roy	Arjun	Crescent Electric Supply Company	East Dubuque	Illinois	Full-time Coop	Computer Science
Spring 2013	Rensberger	John	Doosan Information & Communications America	Fargo	North Dakota	Full-time Coop	Computer Science
Spring 2013	Rotvold	Scott	Doosan Information & Communications America	Gwinner	North Dakota	Full-time Coop	Computer Science
Spring 2013	Kumar	Ankit	Evolution1	Fargo	North Dakota	Part-time Coop	Computer Science
Spring 2013	Paramarta	Dienul	Evolution1	Fargo	North Dakota	Full-time Coop	Computer Science
Spring 2013	Saha	Barsha	GSPANN Technologies, Inc.	Milpitas	California	Full-time Coop	Computer Science
Spring 2013	Gupta	Munmun	Hutchinson Technology Inc.	Hutchinson	Minnesota	Full-time Coop	Software Engineering, Computer Science
Spring 2013	Garg	Tarun	Immigrant Development Center	Moorhead	Minnesota	Part-time Coop	Computer Science
Spring 2013	Gadiparthi	Sudheer	Indus Valley Consultants, Inc	Dayton	Ohio	Full-time Coop	Computer Science
Spring 2013	Wiertzema	Travis	Myriad Mobile	Fargo	North Dakota	Full-time Coop	Computer Science
Spring 2013	Sharma	Akshat	Noridian Healthcare Solutions	Fargo	North Dakota	Full-time Coop	Computer Science
Spring 2013	Singh	Manish	Simplion Technologies Inc	Milpitas	California	Full-time Coop	Computer Science
Spring 2013	Singh	Dinesh	Tech Mahindra Americas Inc	Fargo	North Dakota	Full-time Coop	Computer Science
Spring 2013	Soni	Gaurav	Tech Mahindra Americas Inc	Fargo	North Dakota	Full-time Coop	Computer Science
Spring 2013	Khosla	Sourabh	Tech Mahindra Americas Inc	Fargo	North Dakota	Full-time Coop	Computer Science
Spring 2013	Zheng	Songtao	TEKsystems	Edina	Minnesota	Part-time Coop	Applied Statistics, Computer Science
Spring 2013	Kumar	Ankit	WennSoft, Inc.	Fargo	North Dakota	Part-time Coop	Computer Science
Spring 2013	Hossain	Mohammad	West Fargo Public Schools	West Fargo	North Dakota	Full-time Coop	Computer Science
Spring 2013	Aggarwal	Vaibhav	WoWiWe Instruction Co. LLC	Fargo	North Dakota	Part-time Coop	Computer Science
Summer 2013	Valluru	Srikanth	BAVE Technologies Inc.	Austin	Texas	Full-time Coop	Computer Science
Summer 2013	Pester	Blake	Corporate Technologies LLC	Fargo	North Dakota	Full-time Coop	Computer Science
Summer 2013	Roy	Arjun	Crescent Electric Supply Company	Dubuque	Illinois	Full-time Coop	Computer Science
Summer 2013	Rajan	Prateek	Deep Forest Media	Palo Alto	California	Full-time Coop	Computer Science
Summer 2013	Rotvold	Scott	Doosan Information & Communications America	Gwinner	North Dakota	Full-time Coop	Computer Science
Summer 2013	Canillas	Eric	Emerson	Chanhausen	Minnesota	Full-time Coop	Computer Science
Summer 2013	Sen	Souvik	Emerson Process Management - Process Systems & Solutions	Eden Prairie	Minnesota	Full-time Coop	Computer Science
Summer 2013	Kumar	Ankit	Evolution1	Fargo	North Dakota	Full-time Coop	Computer Science
Summer 2013	Paramarta	Dienul	Evolution1	Fargo	North Dakota	Full-time Coop	Computer Science
Summer 2013	MacDonald	Aric	Globe University - Minnesota School of Business	Woodbury	Minnesota	Full-time Coop	Computer Science
Summer 2013	Saha	Barsha	GSPANN Technologies, Inc.	Milpitas	California	Full-time Coop	Computer Science
Summer 2013	Shrestha	Sarjan	infoNERO	Fargo	North Dakota	Part-time Coop	Computer Science
Summer 2013	Yadav	Ritika	Intelligent InSites	Fargo	North Dakota	Full-time Coop	Computer Science
Summer 2013	Xu	Xing	Intelligent InSites	Fargo	North Dakota	Full-time Coop	Mathematics, Electrical Engineering, Computer Science
Summer 2013	Madamanchi	Devi	Intelligent InSites	Fargo	North Dakota	Full-time Coop	Computer Science
Summer 2013	Mucha	Nithisha	Loyalty Methods, Inc	Seattle	Washington	Full-time Coop	Computer Science
Summer 2013	Waraich	Tarunveer	MB Schoen & Associates	Fargo	North Dakota	Part-time Coop	Computer Science
Summer 2013	Gupta	Munmun	Multiband Corporation	Fargo	North Dakota	Full-time Coop	Software Engineering, Computer Science
Summer 2013	Sharma	Akshat	Noridian Healthcare Solutions	Fargo	North Dakota	Full-time Coop	Computer Science
Summer 2013	Jaidev	Ananya	Open Access Technology Int'l, Inc. (OATI)	Minneapolis	Minnesota	Full-time Coop	Computer Science
Summer 2013	Close	Chad	Performance Software Corp.	Phoenix	Arizona	Full-time Coop	Computer Science
Summer 2013	Ramirez Sanchez	Cesar	Solstice Mobile	Chicago	Illinois	Full-time Coop	Computer Science
Summer 2013	Soni	Gaurav	Tech Mahindra Americas Inc	Fargo	North Dakota	Part-time Coop	Computer Science
Summer 2013	Khosla	Sourabh	Tech Mahindra Americas Inc	Fargo	North Dakota	Part-time Coop	Computer Science
Summer 2013	Singh	Dinesh	Tech Mahindra Americas Inc	Fargo	North Dakota	Full-time Coop	Computer Science
Summer 2013	Zheng	Songtao	TEKsystems	Edina	Minnesota	Full-time Coop	Applied Statistics, Computer Science
Summer 2013	Ahmed	Syed	The Toro Company	Bloomington	Minnesota	Full-time Coop	Computer Science
Summer 2013	Sharma	Nishant	WCCO Belting, Inc.	Wahpeton	North Dakota	Full-time Coop	Computer Science
Summer 2013	Hossain	Mohammad	West Fargo Public Schools	West Fargo	North Dakota	Full-time Coop	Computer Science
Summer 2013	Cheng	Wen	WoWiWe Instruction Co. LLC	Fargo	North Dakota	Full-time Coop	Computer Science
Summer 2013	Yan	Peng	WoWiWe Instruction Co. LLC	Fargo	North Dakota	Full-time Coop	Computer Science

F. Enrollment and FTE Data

Student Credit Hours and FTEs Generated

	2008-2009		2009-2010		2010-2011		2011-2012		2012-2013	
	Credit hours	FTE	Credit hours	FTE	Credit hours	FTE	Credit hours	FTE	Credit hours	FTE
100-200	8911	11.14	9458	11.82	9262	11.58	9538	11.92		
300-400	2697	4.96	3031	5.57	2993	5.51	2985	5.49		
600-700	2004	6.96	2253	7.82	2192	7.61	2501	8.68		
TOTAL	13612	23.06	14742	25.22	14447	24.69	15023	26.10		

FALL SEMESTER SCHEDULE 2012

COURSE HOURS	CLASS TITLE	INSTRUCTOR	ENROLL	STUDENT CREDIT
114	Microcomputer Packages	Meng Chao	55	3
114	Microcomputer Packages	Barsha Saha	53	3
114	Microcomputer Packages	Pooja Gautam	53	3
114	Microcomputer Packages	Nazia Zaman	55	3
114	Microcomputer Packages	Lisa Bender	55	3
114	Microcomputer Packages	V. Bhardwaj	55	3
114	Microcomputer Packages	Pratap Kotala (Cont Edu)	46	3
116	Business Use of Computers	P. Rajan	52	4
116	Business Use of Computers	S. Tirpathi	56	4
116	Business Use of Computers	M. Hossain	51	4
116	Business Use of Computers	Kevin Bauer	54	4
116	Business Use of Computers	Janet Olfert	55	4
116	Business Use of Computers	Janet Olfert	55	4
116	Business Use of Computers	Janet Olfert (Cont Ed	67	4
122	Beginning BASIC/Visual BASIC	F. Vafaei	37	3
122	Beginning BASIC/Visual BASIC - DCE	Oksana Myronovych	29	3
122	Beginning BASIC/Visual BASIC	D. Lampl	40	3
125	COBOL Programming	J. Olfert	20	3
159	Computer Sc. Problem Solving	J. Latimer	35	3
159	Computer Sc. Problem Solving	J. Latimer	39	3

160	Computer Science I	P. Kotala	40	4
160	Computer Science I	R. Barakat	40	4
160	Computer Science I	P. Kotala	40	4
160	Computer Science I	S. BouGhosn	23	4
161	Computer Science II	S. Abufardeh	35	4
161	Computer Science II	S. Abufardeh	17	4
172	Intermediate BASIC/Visual BASIC -DCE	O. Myronovych	11	3
213	Modern Software Development	O. Myronovych	40	3
213	Modern Software Development	O. Myronovych	34	3
222	Discrete Mathematics	V. Ubhaya	43	3
227	Computing Fund. I	J. Latimer	26	3
277	Introduction to UNIX	Adam Helsene	20	3
315	System Anal & Design	G. Walia	39	3
335	Theoretical CS I	Anne Denton	55	3
366	Files/Database System	A. Denton	39	3
372	Comparative Languages	W. Jin	35	3
372	Comparative Languages	W. Jin	11	3
373	Assembly Programming	Sameer Abufardeh	18	3
374	Computer Organization	Simone Ludwig	20	3
413	Principles of Software Eng.	H. Do	34	3
474	Operating Systems Conc.	J. Kong	44	3
477	Object-Oriented Systems	R. Dai	35	3
479	Introduction to Data Mining	S. Salem	8	3
488	Human-Computer Interaction	J. Kong	29	3
677	Object-Oriented Systems	R. Dai	6	3
679	Introducation to Datat Mining	S. Salem	12	3
688	Human-Computer Interaction	J. Kong	10	3
713	Software Engineering I	K. Magel	37	3
713	Software Engineering I- DCE	K. Magel	11	3
714	Software Projects Plan Estimation - DCE	H. Do	8	3
715	Software Req/Definition/Analys	H. Do	14	3
715	Software Req/Definition/Analys-DCE	K. Magel	8	3
716	Software Design - DCE	K. Magel	8	3
717	Software Construction - DCE	K. Magel	6	3
718	Software Testing and Debugging - DCE	K. Magel	14	3
741	Algoritm Analysis	V. Ubhaya	29	3
746	Development of Distributed Systems	T. King	13	3
747	Software Complexity Metrics	H. Do	4	3
765	Intro to Database Systems	W. Perrizo	14	3
783	ST/Empirical Software Engrineering - DCE	G. Walia	7	3
785	ST/Social & Information Network Ana1	S. Salem	9	3
790	Sem/Intro to Database	W. Perrizo	2	1
790	Sem/Software Engineering	K. Magel	14	1

790	Sem/Data Mining Science	Anne Denton	9	1
790	Sem/Intelligent Systems	S. Ludwig	12	1
790	Sem/ Applications of Networks	S. Salem	12	1
797	Masters Paper	Staff	78	1-10
798	Master Thesis	Staff	27	1-10
799	Doctoral Dissertation	Staff	34	1-15

SPRING SEMESTER SCHEDULE
2013

COURSE HOURS	CLASS TITLE	INSTRUCTOR	ENROLL	STUDENT CREDIT
114	Microcomputer Packages	Chao, Meng	55	3
114	Microcomputer Packages	Bhardwaj, Vidushi	49	3
114	Microcomputer Packages	Gautm, Pooja	54	3
114	Microcomputer Packages	Brazier, Tyler	54	3
114	Microcomputer Packages	Zaman, Nazia	55	3
114	Microcomputer Packages	Arafat, Imitiaz	55	3
114	Microcomputer Packages - <i>DCE</i>	Pratap Kotala	80	3
116	Business Use of Computers	Rajan, Prateek	56	4
116	Business Use of Computers	Tripathi, Snnahill	55	4
116	Business Use of Computers	Alroobi, Rami	54	4
116	Business Use of Computers	Bauer, Kevin	54	4
116	Business Use of Computers	Bender, Lisa	57	4
116	Business Use of Computers	Schatz-Fleming, Janet	56	4
116	Business Use of Computers - <i>DCE</i>	Schatz-Fleming, Janet	98	4
122	Beginning BASIC/Visual BASIC	Schatz-Fleming, Janet	40	3
122	Beginning BASIC/Visual BASIC	Schatz-Fleming, Janet	39	3
122	Beginning BASIC/Visual BASIC - <i>DCE</i>	Myronvych, O	29	3
159	Computer Sc. Problem Solving	Barakat, Rahaf	39	3
159	Computer Sc. Problem Solving	Barakat, Rahaf	22	3
159	Computer Sc. Problem Solving - <i>DCE</i>	Myronovych, O	29	3
160	Computer Science I	Kotala, P	41	4
160	Computer Science I	Kotala, P	40	4
160	Computer Science I	Kotala, P	39	4
161	Computer Science II	Myronovych, O	42	4
161	Computer Science II	Myronovych, O	39	4
222	Discrete Mathematics	Ubhaya, V	46	3
228	Computing Fundamentals II	Latimer, J	24	3
313	Software Development /Games	Abufardeh, S	33	3
313	Software Development / Games	Abufardeh, S	12	3
316	System Testing & Maintenance	Latimer, J	31	3
335	Theoretical Computer Science I - <i>DCE</i>	Denton, A	1	3
336	Theoretical CS II	Walia, G	40	3

345	Topics on Personal Computers	B. Slator	21	3
366	Database Systems	Denton, A	38	3
371	Web Scripting Language	Latimer, J	41	3
372	Comparative Prog Languages	Jin, W	42	3
373	Assembly Programming	Abufardeh, S	16	3
374	Computer Organization	Ludwig, S	22	3
426	Intro to Artificial Intelligence	Ludwig, S	22	3
445	Software Projects Capstone	Knudson, D	43	3
459	Foundation/Computer Networks	Yan, C	16	3
467	Algorithm Analysis	Ubhaya, V	49	3
475	Operating Systems Design	Kong, J	24	3
489	Social Implications of Computers	Nygard, K	34	3
489	Social Implications of Computers	Nygard, K	44	3
659	Foundation/Computer Networks	Yan, C	2	3
689	Social Implications of Computers	Nygard, K	6	3
689	Social Implications of Computers	Nygard, K	5	3
713	Software Engineering I - <i>DCE</i>	Magel, K	8	3
714	Software Project Planning & Estimati - <i>DCE</i>	Do, H	4	3
715	Software Requirements Defn & Anal.- <i>DCE</i>	Magel, K	8	3
716	Software Design	Magel, K	11	3
716	Software Design – <i>DCE</i>	Magel, K	10	3
717	Software Construction - <i>DCE</i>	Magel, K	12	3
718	Software Testing/Debugging - <i>DCE</i>	Magel, K	11	3
724	Survey/Artificial Intelligence	Li, J	20	3
724	Survey/Artificial Intelligence - <i>DCE</i>	Li, J	7	3
732	Intro to Bioinformatics	Yan, C	6	3
747	Software Complexity Metrics - <i>DCE</i>	Do, H	8	3
765	Intro to Database Systems	Perrizo, W	40	3
778	Computer Networks	Li, J	11	3
779	Advanced Data Mining	Perrizo, W	6	3
783	ST/Adv. Technology in Logistics	Nygard, K	13	3
790	Sem/Adv. Computational Bioloty	Yan, C	4	1
790	Sem/Opinion Mining & Sentiment Anal	Jin, W	10	1
790	Sem/Educational Media	Slator, B	17	1
790	Sem/Software Engineering	Magel, K	10	1
790	Sem/HCI-Preserve Computing	Kong, J	6	1
790	Sem/Parallel Vertical High Perform	Perrizo, W	2	1
790	Sem/Semantic Web Technologies	J. Li	6	1
793	IS/Particle Swarm Optimization	S. Ludwig	4	3
793	IS/Software Projects	K. Magel	4	3
793	IS/Software Projects - <i>DCE</i>	K. Magel	3	3
797	Masters Paper	Staff	82	1-10
798	Master Thesis	Staff	28	1-10

SUMMER I SCHEDULE
2013

COURSE HOURS	CLASS TITLE	INSTRUCTOR	ENROLL	STUDENT CREDIT
114	Microcomputer Packages - <i>DCE</i>	P. Kotala	51	3
116	Business Use of Computers - <i>DCE</i>	J. Olfert	36	4
122	Programming in Basic VB.NET - <i>DCE</i>	O. Myronvych	14	3
125	COBOL Programming	J. Olfert	3	3
159	Computer Science Problem Solving - <i>DCE</i>	P. Kotala	17	3
161	Computer Sciece II	S. Abufardeh	20	4
213	Modern Software Development	O. Myronovyc	11	3
372	Comparative Languages	S. Abufardeh	22	3
473	Foundations of Digital Enter - <i>DCE</i>	K. Nygard	16	3
713	Software Engineering - <i>DCE</i>	K. Magel	5	3
714	Software Project Planning	G. Walia	9	3
714	Software Project Planning – <i>DCE</i>	H. Do	3	3
715	Software Requirements Definition - <i>DCE</i>	K. Magel	3	3
716	Software Design - <i>DCE</i>	K. Magel	7	3
717	Software Construction - <i>DCE</i>	K. Magel	9	3
718	Software Testng & Debugging – <i>DCE</i>	K. Magel	6	3
724	Artificial Intelligence - <i>DCE</i>	J. Li	4	3
741	Algorithm Analysis	V. Ubhaya	6	3
746	Dev/Distributed Systems	K. Magel	14	3
765	Intro to Database Systems	W. Perrizo	3	3
773	Foundations of Digital Enter	K. Nygard	5	3
774	Topics in Digital Enterprise	K. Nygard	28	3
793	ST/Software Engineering Project - <i>DCE</i>	K. Magel	1	3
797	Master Paper	Staff	18	1-10
798	Master Thesis	Staff	9	1-10
799	Doctoral Dissertation	Staff	15	1-10

STUDENT RATING OF INSTRUCTION RESULTS 2012-2013

FALL, 2012 and SPRING 2013

Questions	VG	G	IB	P	VP	OMI T	DEPARTMENT LEVEL		
							Mean	S.D.	#R
100 TO 200 LEVEL									
1. Your satisfaction with the instruction in this course.	28.8	45.1	17.7	6.2	1.9	0.4	4.053	0.950	1909
2. The instructor as a teacher.	32.1	40.6	18.4	6.8	1.6	0.6	4.099	0.959	1907
3. The ability of the instructor to communicate effectively	25.3	40.4	23.7	8.1	2.0	0.6	3.967	0.972	1905
4. The quality of this course	26.9	43.9	22.4	4.3	1.9	0.7	3.981	0.950	1902
5. The fairness of procedures for grading this course.	48.1	39.6	8.4	2.3	1.1	0.4	4.298	0.891	1909
6. Your understanding of the course content.	29.6	47.2	16.6	5.0	0.9	0.5	4.090	0.862	1907
300 TO 400 LEVEL									
1. Your satisfaction with the instruction in this course.	39.7	39.4	11.3	6.5	2.6	0.5	4.053	0.950	1909
2. The instructor as a teacher.	45.0	35.7	11.8	4.1	2.9	0.5	4.099	0.959	1907
3. The ability of the instructor to communicate effectively	37.2	40.2	14.4	5.9	1.9	0.5	3.967	0.972	1905
4. The quality of this course	33.2	40.2	15.9	6.2	3.7	0.8	3.981	0.950	1902
5. The fairness of procedures for grading this course.	48.3	34.0	8.6	4.9	4.0	0.2	4.298	0.891	1909
6. Your understanding of the course content.	36.2	43.5	14.8	3.3	1.4	0.6	4.090	0.862	1907
600 TO 700 LEVEL									
1. Your satisfaction with the instruction in this course.	64.9	31.8	2.4	0.9	0.0	0.0	4.053	0.950	1909
2. The instructor as a teacher.	69.7	26.1	3.3	0.9	0.0	0.0	4.099	0.959	1907
3. The ability of the instructor to communicate effectively	64.9	28.9	5.2	0.0	0.0	0.9	3.967	0.972	1905
4. The quality of this course	58.3	34.6	5.2	0.9	0.5	0.5	3.981	0.950	1902
5. The fairness of procedures for grading this course.	63.5	27.0	8.1	0.0	0.5	0.9	4.298	0.891	1909
6. Your understanding of the course content.	56.9	36.0	6.2	0.9	0.0	0.0	4.090	0.862	1907

Department Employment of graduates:

Fall 2012

Graduate Teaching Assistants –

Graduate Teaching Assistant	Course	# of Students
Meng Chao	CSCI 114	55
Barsha Saha	CSCI 114	54
Pooja Gautam	CSCI 114	53
Nazia Zaman	CSCI 114	55
Lisa Bender	CSCI 114	54
Barsha Saha	CSCI 114	54
Vidushi Bhardwaj	CSCI 114	55
Prateek Rajan	CSCI 116	52
Snnahill Tripathi	CSCI 116	56
Mohammad Hossain	CSCI 116	51
Kevin Bauer	CSCI 116	53
Damian Lampl	CSCI 122	20
Fereydoon Vafaei	CSCI 122	19

Fall 2012

Graduate Assistants (Tutors)

Charith Hettiararchchi	CSCI 114
Munmum Gupta	CSCI 114
Ruhi Agrawal	CSCI 116
Tyler Brazier	CSCI 116
Tarun Garg	CSCI 160
Alex Rademacher	CSCI 445

Fall 2012

Graduate Assistants (Graders)

Bilel Al-Ahmed
Palak Agarwal
Syed Ahmed
Khalid Alemerien
Palak Agarwal
Md Akour
Imtiaz Arafat
Rami Alroobi
Min Chen
Deepak Dawar
Anurag Goswami
Divya Gupta
Deepak Harikrishnan
Shishir Hegde

MD Hossain
Kaliash Joshi
Devi Madamanchi
Nithisha Mucha
Seyed Pouriyeh
Aakansha Rastogi
Souvik Sen
Rupali Shevkar
Sarjan Shrestha
Abhinov Singh
Cady Sijapati
Yijun Wang
Yingjun Yang
Nazia Zaman

Spring 2013

Graduate Teaching Assistants –

Graduate Teaching Assistant	Course	# of Students
Meng Chao	CSCI 114	55
Vidushi Bhardwaj	CSCI 114	55
Pooja Gautam	CSCI 114	55
Tyler Brazier	CSCI 114	55
Nazia Zaman	CSCI 114	55
Imtiaz Arafat	CSCI 114	55
Prateek Rajan	CSCI 116	55
Snnhill Tripathi	CSCI 116	55
Rami Alroobi	CSCI 116	55
Lisa Bender	CSCI 116	55
Rahaf Barakat 2 sections	CSCI 159	63

Spring 2013

Graduate Assistants (Tutors)

Ruhi Agrawal	CSCI 114
Deepak Dawar	CSCI 114
Charith Hettiarachchi	CSCI 116
Amro Hassan	CSCI 116
Damian Lampl	CSCI 122
Steve BouGhosn	CSCI 160
Alex Rademacher	CSCI 445
Lisa Bender	CSCI 489

Spring 2013

Graduate Assistants (Graders)

Nailah Al-Madi
Palak Agarwal
Syed Ahmed
Khalid Alemerien
Min Chen
Anisha Ginjala
Anurag Goswami
Divya Gupta
Deepak Harikrishnan
Shishir Hegde
MD Hossain
Deepak Kolte

Joshi Khosla
Damain Lampl
Devi Madamanchi
Priyanka Manne
Judi Novotny
Seyed Pouriyeh
Aakansha Rastogi
Souvik Sen
Rupali Shevkar
Sarjan Shrestha
Yijun Yang
Huang Zheng

Masters Students:

Agarwal, Abhishek
Ahmed, Syed Kutub Uddin
Ahuja, Sarthak
Amanchi, Srinivas
Amuge, Betty
Annadi, Ramakanth
Arafat, Imtiaz
Barat, Debarshi
Bauer, Kevin
Bavanari, Haribabu
Brazier, Tyler
Bouret, Megan
Byrisetty, Naga
Chakraborty, Ushashi
Chao, Meng
Chekuri, Srujan
Chen, Min
Chintamaneni, Venkata Santosh
Chintapalli, Veera
Chowdhury, Md. Minhaz
Daggubati, Satyanarayana
Dandu, Naveen
Dawar, Deepak
Dinesh Singh
Dutta, Anubrata
Ehresmann, Nathan
Emamian, Peyman
Frovarp, Richard
Gadiparthi, Sudheer
Garg, Bandana
Garg, Tarun
Ginjala, Ashok
Ginjupalli, Siva
Hegde, Reshma
Helsene, Adam
Jonnalagadda, Vindhya
K.C. Puja
Kale, Neha
Kaparthi, Nikhitha
Kapoor, Raghav
Kar, Angshu
Kariluoma, Matti
Khosla, Sourabh

Koluru, Sunil
Kroshus, John
Kundur, Anuroop
Lampl, Damian
Landin, Michael
Liu, Chao
Madamanchi, Devi
Madamanchi, Manoj
Mahabaleshwar, Mahesh
Manne, Priyanka
Mesich, Bryan
Momsen, Eric
Mucha, Nithisha
Mudgal, Akshay
Mukhami, Sudesh
Olson, Nathan
Pachalyapparn, Sathya
Param, Sowjanya
Paturu, Suresh
Phadke, Swapna
Piehl, Matthew
Rajan, Prateek
Rehman, Sana
Saha, Barsha
Sahni, Ritika
Saxena, Kaustubh
Schaefer, Christopher
Sen, Sourya
Sen, Souvik
Shevkar, Rupali
Sikharam, Sandeep
Singh, Manish
Singh, Saumya
Singh, Sonal
Singh, Manish
Singh, Yashaswi
Soni, Gaurav
Teotia, Ashish
Tirupathi, Phani
Tiwari, Shweta
Vallabh, Kiran
Valluru, Srikanth
Vellaswamy, Askhok

Wang, Di
Xu, Xing John
Yadav, Asha

Yang, Yingjie
Zhu, Ya

SOFTWARE ENGINEERING MASTERS/MSE PROGRAM

Agrawal, Ruhi - MSE
Bhardwaj, Vidushi - MSE
Bischoff, Nancy - MSE
Chagonda, Arthur - MSE
Dhankher, Deepak -MSE
Dhungel, Bibhor - MSE
Gail, Josepha - MSE
Gemuend, Thomas - MSE
Gupta, Munmun - MSE
Hegde, Shishir – MSE
Kanaparthi, Ganga – MSE
Karan Chitkara – MSE
Maharjan, Binod - MSE
McIntyre, Scott – MSE

Mishra, Nikita – MSE
Munowenyu, Joseph – MSE
Niroula, Umanga – MSE
Perez, Paulo – MSE
Rajendran, Senthil – MSE
Rathnaweera, Obinamuni – MSE
Reddymalla, Srinivas – MSE
Schauer, Jesse – MSE
Sharma, Parimal – MSE
Sharma, Prayash – MSE
Sheoran, Deepak – MSE
Synkowski, Lee – MSE
Tomar, Anil – MSE
Zeng, Lieming - MSE

SOFTWARE ENGINEERING MASTERS PROGRAM

Abeyratne, Keith
Agbee, Adodo
Anu, Vaibhav
Christeson, Eric
Dutta, Anubratna
Elhassani, Abdelhadi
Fonseka, Nilukshi
Gautam, Pooja
Goswami, Anurag
Grant, James
Gupta, Munmun
Gupta, Nimish
Gupta, Swati
Hall, Jared
Harikrishnan, Deepthi
Hassan, Amro
Hossain, Md Imamul
Jacobs, Adam
Jahan, Farzana
Joshi, Kailash
Katiyar, Arti
Kohli, Jyotjeev
Kumar, Mukesh

Kwete, Yannick
Limke, Jed
Mehta, Puneet
Minot, Scott
Mohpal, Aditi
Mohpal, Aditya
Murugaiyan, Elangovan
Novotny, Judi
Pachaiyappan, Sathya
Pandey, Anand
Poudyal, Abhaya
Potla, Yaswanth
Puri, Rahul
Radermacher, Alex
Roudaki, Ali
Sanjaka, Malinda Benaragama
Sathiaseelan, Anu Evelyn
Sharma, Aman
Sharma, Rahul
Sharma, Sonu
Sijapati, Cady
Singh, Abhinav
Singh, Kunal

Srichinta, Pallavi
Stone, Jason
Tomer, Avijeet

Tripathi, Snnahill
Wang, Yijun

PhD STUDENTS:

Aljarah, Ibrahim
Al-Madi, Nailah
Alroobi, Rami
Bani Taan, Shadi
Borchert, Otto
Bou Ghosn, Steve
Chakravarthi, Satheesh
Chatterjee, Arijit
Chen, Min
Cheng, Wen
Dass, Pranav
Gagneja, Kanwalinder
Ganti, Annaji
Goparaju, Aditya

Hossain, Mohammad
Kambhampaty, Krishnan
Konar, Prosenjit
Loree, Paul
Pouriye, Seyed
Roudaki, Amin
Roy, Arjun
Seetan, Raed
Sweet, Joshua
Vafaei, Fereydoon
Yan, Peng
Zaman, Nazia
Zhao, Jingjun

SOFTWARE ENGINEERING PHD

Aceituna, Daniel
Akour, Mohammed
Al-Ahmed, Bilar
Alemerien, Khalid
Alenezi, Mamdouh
Altahlawi, Amro
Anderson, Jeffrey
Barakat, Rahaf
Eda, Madhusudana
Hettiarachchi, Charitha

Kotala, Pratap
Lacher, Lisa
Obeidat, Qasem
Ranganathan, Prakash
Salam, Tareq
Schwartz, Amanda
Michael Wallach
Williams, Robert

Computer Science Department Enrollment Data

AY	Enrollment Fall 2012					Total UG	Total Grad	Total Degrees			
	1st FR	2nd SO	3rd JR	4th SR					Fall 12/Spring 2013		
									BS/BA	MS Comp Sc. Software	PhD Comp Sc. Software
2012 - 2013	82	65	54	95			296	209	76/7	37/16	4/2
2011 - 2012	75	47	59	95			276	217	47/5	30/5	4/0
2010-2011	68	63	55	74			267	210	38/2	26/6	0/1
2009 - 2010	71	55	48	79			253	197	38/2	20/6	1/1
2008-2009	66	54	44	84			248	187	40/3	17/4	1/1
2007-2008	65	43	50	84			242	174	43/1	33/3	4/2

Graduate Degrees Awarded, 2012-2013

Summer Semester, 2012	Degree
Iyad Alazzam	PHD - SE
Omar Al-Azzam	PHD
MD Junaid Arafeen	MS
Pradhan Basudha	MS - SE
Vindhya Jonnalagadda	MS
Farah Kandah	PHD
Qingrui Li	MS
Pallavi Roy	MS - SE
Phani Tirupathi	MS
Fall Semester, 2012	Degree
Aasthi Budati	CERT - SE
Munmun Gupta	CERT - SE

MD Saif Ur Rahman	CERT - SE
Deepak Dhankher	MSE - SE
Parimal Sharma	MSE - SE
Mohammad Akour	PHD - SE
Haribabu Bavanari	MS - CS
Satyanarayana Daggubati	MS - CS
Neha Kale	MS - CS
Ryan McCulloch	MS - CS
Aditi Mohpal	MS - SE
Elangovan Murugaiyan	MS - SE
Matthew Piehl	MS - CS
Pubudu Wijeyaratne	MS - SE
Spring Semester, 2013	Degree
Syed Ahmed	CERT - SE
Arijit Chatterjee	CERT - SE
Kazi Haque	CERT - SE
Ritika Sahni	CERT - SE
Debarshi Barat	MS
Naga Chaitanya Byrisetty	MS
Ushashi Chakraborty	MS
Srujan Kumar Chekuri	MS
Naveen Dandu	MS
Ashok Ginja	MS
Nikhitha Kaparthy	MS
Angshu Kar	MS
Manoj Madamanchi	MS
Eric Momsen	MS
Sudesh Mukhami	MS
Ghanashyam Nayakam	MS
Ritika Sahni	MS
Christopher Schaefer	MS
Ashish Teotia	MS
Shweta Tiwari	MS
Kiran Vallabh	MS
Ashok Vellaswamy	MS
Vishnu Reddy Yarram	MS
Shadi Vani Ta'an	PHD
Kanwalinderjit Gagneja	PHD
Vaibhav Anu	MS - SE
Arti Katiyar	MS - SE
Aman Sharma	MS - SE
Kunal Singh	MS - SE

Avijeet Tomer	MS - SE
Rajat Upadhyay	MS - SE
Jeffrey Anderson	MSE
Bibhor Dhungel	MSE
Temi Omotoyinbo	MSE
Paulo Perez	MSE
Jesse Schauer	MSE
Lieming Zeng	MSE
Prakash Ranganathan	MSE