## NDSU DEPARTMENT OF COMPUTER SCIENCE AND OPERATIONS RESEARCH

# ANNUAL REPORT 2014-2015

Primary Contact:

Dr. Kenneth Magel, Associate Head

Kenneth.Magel@ndsu.edu

Carole Huber, Administrative Assistant Carole.Huber@ndsu.edu

#### **Department of Computer Science Annual Report for the 2013-2014**

### **Appendices**

The following pages give supporting information prepared by the Department staff for the Executive Summary given on the preceeding pages.

#### Faculty, Lecturers and Special Appointments Profiles



Dr. Anne Denton, Associate Professor and Graduate Coordinator 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 received the Meier Junior Professor award, she has also accepted the Graduate Coordinator roll starting 2013.



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. Hyunsook received the NSF Career Award in 2012.



Dr. Wei Jin, Associate 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. Wei received the NSF Career Award in 2015. The second time the computer science department faculty received this award. Wei was also awarded tenure effective July 2015.



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, Associate 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. Dr. Li was promoted in summer of 2014.



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. Simone received tenure for July 2015.



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 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. Dr. Nygard received the Jefferson Science Fellowship for 2013-14. A highly prestigious appointment to a year in Washington, DC at the U.S. State Department – only a handful of scientists are chosen each year.



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, Associate Professor Ph.D., Rensselaer Polytechnic Institute, NY 2009

Dr. Salem teaches courses in Bioinformatics and Data Minig. His research interests are in bioinformatics, biological networks, data mining and machine learning. Saeed received tenure July 2015



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, Associate 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. Walia was awarded the Excellence in Teaching Award. Dr. Walia also received tenure July 2015.



Dr. Changhui Yan, Associate 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. Dr. Yan was promoted to Associate Professor in summer 2014.

#### **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 recuriting, and teaches sections of University 189. Joan received the outstanding academic advisor award for 2013-14.



Dr. Sameer Abufardeh, Assistant 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, Assistant Professor of Practice Phd, North Dakota State University 2010

Dr. Myronovych 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.



Joseph Latimer, Lecturer MBA, California Polytechnic State University (Cal Poly), 1988.

Mr. Latimer teaches courses in sections of business use of computers, UNIX, Java, and Webscripting.



Janet Fleming, Lecturer MBA, Northeast Louisiana University 1984

Ms. Fleming teaches courses in Microsoft office suite, Visual Basic and COBOL.

#### STAFF



Nathan Olson Systems Administrator

Nathan Olson joined us July 2014 as the department systems administrator and does all the maintanence 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.



## Annette Sprague Administrative Secretary

Annette Sprague joined the department May 2015. She carries out office support functions, including data development, reporting, survey work, and assisting students and faculty. She is the assistant to the Graduate Coordinators.



Betty Opheim,
Part-time Administrative Secretary

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



Jane Dickerson
Part-time Office Assistant

Mrs. Jane Dickerson is half time office support for the department. Her duties include receptionist responsibilities and office filing.



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.

#### **A. INSTRUCTION AND STUDENT SUCCESS**

#### **Capstone Projects:**

Successful student teams use many of the skills they learned in earlier Computer Science courses. The sponsors for spring semester, 2015 were:

ATK
Eide Bailly
Fargo Forum
IBM
Infinity
ITS
SugarSand
Laney's

Phoenix
Summer Harvest
Sundog
TW
Cargill
Noridan
MindT
Microsoft

#### Summary tabulation of the Project Sponsor Survey, Compiled May, 2015

		Willing to sponsor	Final Grade from	
2005 Projects	Opinion of Capstone Program*	next year	Sponsor	Comments - mine
ATK	Very Good	Likely	А	Very good project, happy customer
Forum	Very Good	Likely	A	Project was used in an election before the end of the semester
IBM	Very Good	For Sure	А	Excellent project - very happy sponsor
Infinity - Data Collection	Very Good	Likely	A+	One of the two best Infinity has ever had with NDSU (which is a lot)
Infinity - User Interface	Very Good	Likely	A+	The other of the two best for Infinity
Infinity - LAN	Very Good	Likely	B-	
ITS - NDSU	Very Good	N/A	A/B	Sponsor not available to take on a project next year
Laney's	Very Good	Likely	А	Very happy, hired two of the team
Phoenix	Very Good	For Sure	Α	
Summer's Harvest	Very Good	Likely	А	Problem with sponsor leaving company part way through
Sundog	Very Good	For Sure	A	Very good project - Sponsor tried to hire all three (one full-time accepted, other summer hires already had jobs)

TW - Project	V 0 I	F 0	^	
Management	Very Good	For Sure	A	Two members were problems, one just totally
TW - XML	Very Good	For Sure	B/F	went missing the other went missing for long periods
I VV - AIVIL	Very Good	roi Sule	D/F	Team didn't have
Cargill - User Update	Good	Likely	B+	programming skills
		j		Very good project -
				Sponsor wants IP issues
Microsoft - Applications	Good	Likely	A	resolved
Mind T - Portal	Good	For Sure	A	
Mind T - Server	Good	Likely	В	Llad wrahlawa with care
				Had problems with some of the team but like the
Noridian	Good	Likely	B/D	program
Sugar Sand	Good	Likely	A-/B+	
		,		Very good project - hired
				one of the team ( I expect
Microsoft - Testing	blank	blank	۸	they will sponsor next
Wicrosoft - Testing	Dialik	Dialik	A	year) Poor
				communication/dedication
				among the team, I
				removed one member _
WorkforceROI	Marginal	Marginal	С	who ended up with an F
				Very strange sponsor, had a big problem with
				communication but didn't
				do his part - thought the
Cargill - Time Tracking	Poor	No	open	project itself was fine
ELL B.W.	Newson	No		Team had lots of
Eide Bailly	No comment  * Scale - Very	comment	D+	problems
	Good/Good/Marginal/Poor			
	13 VG, 6 G, 1 M, 1 P, 2 blank			
	15 VO, UO, TIVI, TF, Z DIATIK			

#### Faculty Advisees 2014 – 2015

Borowicz	Joseph	Sophomore	BS-Computer Science	Abufardeh,Sameer
Hansen	Colton	Junior	BS-Computer Science	Abufardeh,Sameer
Shi	Tongxin	Junior	BS-Computer Science	Abufardeh,Sameer
Jacobsen	Parker	Senior	BS-Computer Science	Abufardeh,Sameer
Job	Alex	Senior	BS-Computer Science	Abufardeh,Sameer
Kurtz	Jordan	Senior	BS-Computer Science	Abufardeh,Sameer
Seo	San Ha	Senior	BS-Computer Science	Abufardeh,Sameer
Li	Shuhang	Graduate	MS-Computer Science	Dai,Rui
Xia	Gongyi	Graduate	MS-Computer Science	Dai,Rui
Anderson	Stephen	Senior	BS-Computer Science	Denton,Anne
Brakvatne	Kristian	Senior	BS-Computer Science	Denton,Anne
Lim	Bryan	Senior	BS-Computer Science	Denton,Anne
McEnroe	Thomas	Senior	BS-Computer Science	Denton,Anne
Ruda	Stephen	Senior	BS-Computer Science	Denton,Anne
Ryan	Kyle	Senior	BS-Computer Science	Denton,Anne
Wilson	Carey	Senior	BS-Computer Science	Denton,Anne
Badu	Sadhana	Graduate	MS-Computer Science	Denton,Anne
Battu	Babitha	Graduate	MS-Computer Science	Denton,Anne
Chavan	Harshada	Graduate	MS-Computer Science	Denton,Anne
Dawar	Priyanka	Graduate	MS-Computer Science	Denton,Anne
Fernando	Chandima	Graduate	MS-Computer Science	Denton,Anne
Gautam	Nitendra	Graduate	MS-Computer Science	Denton,Anne
Gottimukkula	Vijayachanderrao	Graduate	MS-Computer Science	Denton,Anne
Hu	Ping	Graduate	MS-Computer Science	Denton,Anne
Jha	Kishlay	Graduate	MS-Computer Science	Denton,Anne
Johnson	Joseph	Graduate	MS-Computer Science	Denton,Anne
Kakarlapudi	Madhumitha	Graduate	MS-Computer Science	Denton,Anne
	Bala Venkata Rama			
Killada	Kishore	Graduate	MS-Computer Science	Denton,Anne
Kolte	Ravi	Graduate	MS-Computer Science	Denton,Anne
Mattaparthi	Sowjanya	Graduate	MS-Computer Science	Denton,Anne
Narasareddy Gari	Mourya Reddy	Graduate	MS-Computer Science	Denton,Anne
Narra	Sravan	Graduate	MS-Computer Science	Denton,Anne
Nekkanti	Om Prakash	Graduate	MS-Computer Science	Denton,Anne
Nuthalapati	Aditya	Graduate	MS-Computer Science	Denton,Anne
Roy	Arighna	Graduate	MS-Computer Science	Denton,Anne
Subramaniam	Rajesh	Graduate	MS-Computer Science	Denton,Anne
Xu	Xing	Graduate	MS-Computer Science	Denton,Anne
Zheng	Hailong	Graduate	MS-Computer Science	Denton,Anne
Jones	Andrew	Graduate	MSE-Software Engineering	Denton,Anne

Agarwal	Abhishek	Graduate	MS-Software Engineering	Denton,Anne
Christeson	Eric	Graduate	MS-Software Engineering	Denton,Anne
Ahsan	Mostofa	Graduate	PHD-Computer Science	Denton,Anne
Chitraranjan	Charith	Graduate	PHD-Computer Science	Denton,Anne
Kabir	MD Faisal	Graduate	PHD-Computer Science	Denton,Anne
Sweet	Joshua	Graduate	PHD-Computer Science	Denton,Anne
Zaman	Eshita	Graduate	PHD-Computer Science	Denton,Anne
Baghdadi	Mohamad	Freshman	BS-Computer Science	Dept assigned
Boppre	Brandon	Freshman	BS-Computer Science	Dept assigned
Carvalho Alvarenga	Renato	Freshman	BS-Computer Science	Dept assigned
Gren	Nazar	Freshman	BS-Computer Science	Dept assigned
Kinn	Otto	Freshman	BS-Computer Science	Dept assigned
Lean	Noah	Freshman	BS-Computer Science	Dept assigned
Martins Barreto	Nathan	Freshman	BS-Computer Science	Dept assigned
Mbanu	Gerald	Freshman	BS-Computer Science	Dept assigned
Mecheri Sneha Subash	FNU	Freshman	BS-Computer Science	Dept assigned
Silverberg	Samuel	Freshman	BS-Computer Science	Dept assigned
Tweten	Alexander	Freshman	BS-Computer Science	Dept assigned
Zhang	Mengyi	Freshman	BS-Computer Science	Dept assigned
Agrama	Ahmed	Sophomore	BS-Computer Science	Dept assigned
Christianson	Grant	Sophomore	BS-Computer Science	Dept assigned
Cramer	Sara	Sophomore	BS-Computer Science	Dept assigned
Drees	Cody	Sophomore	BA-Computer Science	Dept assigned
Evanson	Derek	Sophomore	BS-Computer Science	Dept assigned
Falcon	Jordan	Sophomore	BS-Computer Science	Dept assigned
Garnas	Grace	Sophomore	BS-Computer Science	Dept assigned
Gilbert	Joseph	Sophomore	BS-Computer Science	Dept assigned
Helseth	Connor	Sophomore	BS-Computer Science	Dept assigned
Kuntz	Everett	Sophomore	BS-Computer Science	Dept assigned
Kyereme	Victoria	Sophomore	BS-Computer Science	Dept assigned
Larson	Adam	Sophomore	BA-Computer Science	Dept assigned
Mercer	Andrew	Sophomore	BS-Computer Science	Dept assigned
Osborne	Bernadette	Sophomore	BS-Computer Science	Dept assigned
Pollman	Jaron	Sophomore	BS-Computer Science	Dept assigned
Raatz	Nathan	Sophomore	BS-Computer Science	Dept assigned
Sullivan	Amanda	Sophomore	BS-Computer Science	Dept assigned
Tran	David	Sophomore	BS-Computer Science	Dept assigned
Viestenz	Justin	Sophomore	BS-Computer Science	Dept assigned
Weigel	Austin	Sophomore	BS-Computer Science	Dept assigned
Yao	Kai	Sophomore	BS-Computer Science	Dept assigned
Banick	Ryley	Junior	BS-Computer Science	Dept assigned
Bonn	Brennan	Junior	BS-Computer Science	Dept assigned
Briggs	Jon	Junior	BS-Computer Science	Dept assigned
Gerard	Mitchell	Junior	BS-Computer Science	Dept assigned

Grindall	Brandon	Junior	BS-Computer Science	Dept assigned
Hansen	Brandt	Junior	BA-Computer Science	Dept assigned
Radtke	Erin	Junior	BS-Computer Science	Dept assigned
Rider	Sean	Junior	BS-Computer Science	Dept assigned
Smestad	Adam	Junior	BS-Computer Science	Dept assigned
He	Zhuoran	Senior	BS-Computer Science	Dept assigned
Moses	Joseph	Senior	BS-Computer Science	Dept assigned
Randall	Erica	Senior	BS-Computer Science	Dept assigned
Remes	Daniel	Senior	BS-Computer Science	Dept assigned
Demarais	Sarah	Junior	BS-Computer Science	Do,Hyunsook
Pansch	Jordan	Junior	BS-Computer Science	Do,Hyunsook
Christianson	Lauren	Senior	BA-Computer Science	Do,Hyunsook
Gulbranson	Erin	Senior	BS-Computer Science	Do,Hyunsook
Wilkerson	Geoffrey	Senior	BS-Computer Science	Do,Hyunsook
Arstein	Diane	Graduate	CERT-Software Engineering	Do,Hyunsook
Donoven	Brent	Graduate	CERT-Software Engineering	Do,Hyunsook
Dennis	Noah	Graduate	MSE-Software Engineering	Do,Hyunsook
Intekhab	Ahmed	Graduate	MSE-Software Engineering	Do,Hyunsook
Sahajwani	Zubeen	Graduate	MSE-Software Engineering	Do,Hyunsook
Soni	Pratima	Graduate	MSE-Software Engineering	Do,Hyunsook
Vinta	Naveen	Graduate	MSE-Software Engineering	Do,Hyunsook
Bhurale	Lohit	Graduate	MS-Software Engineering	Do,Hyunsook
Kanajal Chandrakanth	Spoorthy	Graduate	MS-Software Engineering	Do,Hyunsook
Pranay Kumar	FNU	Graduate	MS-Software Engineering	Do,Hyunsook
Aceituna	Daniel	Graduate	PHD-Software Engineering	Do,Hyunsook
Anderson	Jeffrey	Graduate	PHD-Software Engineering	Do,Hyunsook
Avalos	Cody	Sophomore	BS-Computer Science	Jin,Wei
St. Amant	Scott	Sophomore	BS-Computer Science	Jin,Wei
Nilles	Alexander	Junior	BS-Computer Science	Jin,Wei
Arneson	Corey	Senior	BS-Computer Science	Jin,Wei
Crowley	Maxwell	Senior	BA-Computer Science	Jin,Wei
Krenz	Eric	Senior	BA-Computer Science	Jin,Wei
Murray	Adam	Senior	BS-Computer Science	Jin,Wei
Rotvold	Scott	Senior	BS-Computer Science	Jin,Wei
Schumacher	Colton	Senior	BA-Computer Science	Jin,Wei
Agarwal	Palak	Graduate	MS-Software Engineering	Jin,Wei
Peruri	Alekya	Graduate	MS-Computer Science	Jin,Wei
Rajan	Prateek	Graduate	MS-Computer Science	Jin,Wei
Askegard	Gage	Junior	BS-Computer Science	Kong,Jun
Casselman	Stephen	Junior	<b>BA-Computer Science</b>	Kong,Jun
Franck	Joseph	Junior	BS-Computer Science	Kong,Jun
McIntyre	George	Junior	BS-Computer Science	Kong,Jun

Wiertsema	Michael	Junior	BS-Computer Science	Kong,Jun
Abrol	Nimish	Senior	BS-Computer Science	Kong,Jun
Friedman	Ted	Senior	BS-Computer Science	Kong,Jun
Herrmann	Brody	Senior	<b>BA-Computer Science</b>	Kong,Jun
Kelter	Aaron	Senior	BS-Computer Science	Kong,Jun
Nelson	Beau	Senior	BS-Computer Science	Kong,Jun
Nelson	Rebecca	Senior	BS-Computer Science	Kong,Jun
St. Amant	Christopher	Senior	<b>BA-Computer Science</b>	Kong,Jun
Yang	Weikang	Senior	BS-Computer Science	Kong,Jun
Ghosh	Priyanka	Graduate	MS-Computer Science	Kong,Jun
Mahabaleshwar	Mahesh	Graduate	MS-Computer Science	Kong,Jun
Limke	Jed	Graduate	MS-Software Engineering	Kong,Jun
Chakravarthi	Satheesh	Graduate	PHD-Computer Science	Kong,Jun
Kotala	Pratap	Graduate	PHD-Computer Science	Kong,Jun
Roy	Arjun	Graduate	PHD-Computer Science	Kong,Jun
Eda	Madhusudana	Graduate	PHD-Software Engineering	Kong,Jun
Anderson	Jason	Freshman	BS-Computer Science	Krush,Joan
Arutyunov	Ruben	Freshman	BS-Computer Science	Krush,Joan
Bendickson	Tyler	Freshman	BS-Computer Science	Krush,Joan
Beyer	Adam	Freshman	BS-Computer Science	Krush,Joan
Bhasin	Aditya	Freshman	BS-Computer Science	Krush,Joan
Billstrom	Joseph	Freshman	BS-Computer Science	Krush,Joan
Birrenkott	Joshua	Freshman	BS-Computer Science	Krush,Joan
Boonstra	Derek	Freshman	BS-Computer Science	Krush,Joan
Buchholz	Aaron	Freshman	BS-Computer Science	Krush,Joan
Carpenter	Nicholas	Freshman	BS-Computer Science	Krush,Joan
D'Ambrosio	Zachary	Freshman	BS-Computer Science	Krush,Joan
Dhakal	Sagar	Freshman	BS-Computer Science	Krush,Joan
Drocic	Anel	Freshman	BS-Computer Science	Krush,Joan
Graner	Andrew	Freshman	BS-Computer Science	Krush,Joan
Griswold	Cole	Freshman	BS-Computer Science	Krush,Joan
Grosz	Zachary	Freshman	BS-Computer Science	Krush,Joan
Hartman	Jordan	Freshman	BS-Computer Science	Krush,Joan
Hogan	Shaun	Freshman	BS-Computer Science	Krush,Joan
Hussein	Abdulrahman	Freshman	BS-Computer Science	Krush,Joan
Kuntz	Cody	Freshman	BS-Computer Science	Krush,Joan
Laplante	Mason	Freshman	BS-Computer Science	Krush,Joan
Larson	Griffen	Freshman	BS-Computer Science	Krush,Joan
Ludwig	Hunter	Freshman	BS-Computer Science	Krush,Joan
McManus	Declan	Freshman	BS-Computer Science	Krush,Joan
Moua	Yuepheng	Freshman	BS-Computer Science	Krush,Joan
Nelson	Jake	Freshman	BS-Computer Science	Krush,Joan
Park	Solmi	Freshman	BS-Computer Science	Krush,Joan
Rauta	Victor	Freshman	BS-Computer Science	Krush,Joan

Rennolds	Brandon	Freshman	BS-Computer Science	Krush,Joan
Schulte	Zachery	Freshman	BS-Computer Science	Krush,Joan
Silewski	Brian	Freshman	BS-Computer Science	Krush,Joan
Sinha	Aditya	Freshman	BS-Computer Science	Krush,Joan
Sycks	Brandon	Freshman	BS-Computer Science	Krush,Joan
Thorn	Lucas	Freshman	BS-Computer Science	Krush,Joan
Tran	Thinh	Freshman	BS-Computer Science	Krush,Joan
Willert	Joseph	Freshman	BS-Computer Science	Krush,Joan
Young	Jaden	Freshman	BS-Computer Science	Krush,Joan
Ames	Thomas	Junior	BS-Computer Science	Krush,Joan
Buchholz	Alex	Junior	BS-Computer Science	Krush,Joan
Christensen	Travis	Junior	BS-Computer Science	Krush,Joan
Christiansen	Amanda	Junior	BS-Computer Science	Krush,Joan
Dahl	Michael	Junior	BS-Computer Science	Krush,Joan
Feist	Bryant	Junior	BS-Computer Science	Krush,Joan
Goetze	Jordan	Junior	BS-Computer Science	Krush,Joan
Gregoire	Kevin	Junior	BS-Computer Science	Krush,Joan
Henderson	James	Junior	BS-Computer Science	Krush,Joan
Henry	Matthew	Junior	BS-Computer Science	Krush,Joan
Huynh	Mi	Junior	BS-Computer Science	Krush,Joan
Kainz	Cole	Junior	<b>BS-Computer Science</b>	Krush,Joan
Kloster	Michael	Junior	<b>BS-Computer Science</b>	Krush, Joan
Larsen	Caleb	Junior	<b>BS-Computer Science</b>	Krush,Joan
Lauer	Ryan	Junior	<b>BS-Computer Science</b>	Krush,Joan
LaVanier	Erik	Junior	<b>BS-Computer Science</b>	Krush,Joan
Leet	Matthew	Junior	<b>BS-Computer Science</b>	Krush,Joan
Luchsinger	Bradley	Junior	<b>BS-Computer Science</b>	Krush,Joan
McCrory	Michael	Junior	<b>BA-Computer Science</b>	Krush,Joan
McKeever	Marshall	Junior	<b>BS-Computer Science</b>	Krush,Joan
Nordberg	Jared	Junior	<b>BS-Computer Science</b>	Krush,Joan
Osborne	Joseph	Junior	BS-Computer Science	Krush,Joan
Paulson	Alexander	Junior	BS-Computer Science	Krush,Joan
Rockenback	Noah	Junior	BS-Computer Science	Krush,Joan
Schleif	Oliver	Junior	<b>BA-Computer Science</b>	Krush,Joan
Tang	Chengyao	Junior	BS-Computer Science	Krush,Joan
Throndset	Andrew	Junior	BA-Computer Science	Krush,Joan
Walker	Jonathan	Junior	BS-Computer Science	Krush,Joan
Warne	Sean	Junior	BS-Computer Science	Krush,Joan
Weber	Gregory	Junior	BS-Computer Science	Krush,Joan
Wirrenga	Jaden	Junior	BS-Computer Science	Krush,Joan
Bierbaum	Gabriela	Senior	BS-Computer Science	Krush,Joan
Jacobs	Jestin	Senior	BS-Computer Science	Krush,Joan
Thomas	Adam	Senior	BS-Computer Science	Krush,Joan
Bedard	Kelsey	Sophomore	BS-Computer Science	Krush,Joan
Bekkerus	Emily	Sophomore	BS-Computer Science	Krush,Joan

Bhardwaj	Akshay	Sophomore	BS-Computer Science	Krush,Joan
Brandt	Walker	Sophomore	BS-Computer Science	Krush,Joan
Braun	Eric	Sophomore	BS-Computer Science	Krush,Joan
Chastain	Brett	Sophomore	BS-Computer Science	Krush,Joan
Covington	Leighton	Sophomore	BS-Computer Science	Krush,Joan
Cullen	Jayden	Sophomore	BS-Computer Science	Krush,Joan
Curran	Brendan	Sophomore	BS-Computer Science	Krush,Joan
Davis	Barrett	Sophomore	BS-Computer Science	Krush,Joan
Diemer	Nathan	Sophomore	BA-Computer Science	Krush,Joan
Fagan	Kevin	Sophomore	BS-Computer Science	Krush,Joan
Feikema	Nicholas	Sophomore	BS-Computer Science	Krush,Joan
Fevold	Matthew	Sophomore	BS-Computer Science	Krush,Joan
Ford	Marshall	Sophomore	BS-Computer Science	Krush,Joan
Geray	Colin	Sophomore	BS-Computer Science	Krush,Joan
Нарір	Benjamin	Sophomore	BS-Computer Science	Krush,Joan
Hart	Adam	Sophomore	BS-Computer Science	Krush,Joan
Horski	Joseph	Sophomore	BS-Computer Science	Krush,Joan
Joraanstad	Levi	Sophomore	BS-Computer Science	Krush,Joan
Kerzman	Zachary	Sophomore	BS-Computer Science	Krush,Joan
Kudzia	Evan	Sophomore	BS-Computer Science	Krush,Joan
Leatherman	Garrett	Sophomore	BS-Computer Science	Krush,Joan
Liang	Tianyi	Sophomore	BS-Computer Science	Krush,Joan
Lizakowski	Joshua	Sophomore	BS-Computer Science	Krush,Joan
Lohse	Herbert	Sophomore	BS-Computer Science	Krush,Joan
Losinski	Tyler	Sophomore	BS-Computer Science	Krush,Joan
Merfeld	Kyle	Sophomore	BS-Computer Science	Krush,Joan
Meyer	Brandon	Sophomore	BS-Computer Science	Krush,Joan
Mitchell	Joseph	Sophomore	BS-Computer Science	Krush,Joan
Moe	Grant	Sophomore	BS-Computer Science	Krush,Joan
Nicolai	Isaiah	Sophomore	BS-Computer Science	Krush,Joan
Nyland	Hannah	Sophomore	BS-Computer Science	Krush,Joan
Otto	Tanner	Sophomore	BS-Computer Science	Krush,Joan
Punel	Lakpa	Sophomore	BS-Computer Science	Krush,Joan
Risk	Rory	Sophomore	BS-Computer Science	Krush,Joan
Saxena	Ayushi	Sophomore	BS-Computer Science	Krush,Joan
Schmidt	Taylor	Sophomore	BS-Computer Science	Krush,Joan
Schmitt	Micah	Sophomore	BS-Computer Science	Krush,Joan
Stueve	Keith	Sophomore	BS-Computer Science	Krush,Joan
Swam	Mark	Sophomore	BS-Computer Science	Krush,Joan
Teiken	Alec	Sophomore	BS-Computer Science	Krush,Joan
Teotia	Anuj	Sophomore	BS-Computer Science	Krush,Joan
Vethanayagam	Sangeeth	Sophomore	BS-Computer Science	Krush,Joan
Wallgren-Mindermann	Joshua	Sophomore	BS-Computer Science	Krush,Joan
Wright	Mason	Sophomore	BS-Computer Science	Krush,Joan
Yeung	Stephen	Sophomore	BS-Computer Science	Krush,Joan

Ames	Thomas	Junior	BS-Computer Science	Krush,Joan
Buchholz	Alex	Junior	BS-Computer Science	Krush,Joan
Christensen	Travis	Junior	BS-Computer Science	Krush,Joan
Christiansen	Amanda	Junior	BS-Computer Science	Krush,Joan
Dahl	Michael	Junior	BS-Computer Science	Krush,Joan
Feist	Bryant	Junior	BS-Computer Science	Krush,Joan
Goetze	Jordan	Junior	BS-Computer Science	Krush,Joan
Gregoire	Kevin	Junior	BS-Computer Science	Krush,Joan
Henderson	James	Junior	BS-Computer Science	Krush,Joan
Henry	Matthew	Junior	BS-Computer Science	Krush,Joan
Huynh	Mi	Junior	BS-Computer Science	Krush,Joan
Kainz	Cole	Junior	BS-Computer Science	Krush,Joan
Kloster	Michael	Junior	BS-Computer Science	Krush,Joan
Larsen	Caleb	Junior	BS-Computer Science	Krush,Joan
Lauer	Ryan	Junior	BS-Computer Science	Krush,Joan
LaVanier	Erik	Junior	BS-Computer Science	Krush,Joan
Leet	Matthew	Junior	BS-Computer Science	Krush,Joan
Luchsinger	Bradley	Junior	BS-Computer Science	Krush,Joan
McCrory	Michael	Junior	BA-Computer Science	Krush,Joan
McKeever	Marshall	Junior	BS-Computer Science	Krush,Joan
Nordberg	Jared	Junior	BS-Computer Science	Krush,Joan
Osborne	Joseph	Junior	BS-Computer Science	Krush,Joan
Paulson	Alexander	Junior	BS-Computer Science	Krush,Joan
Rockenback	Noah	Junior	BS-Computer Science	Krush,Joan
Schleif	Oliver	Junior	<b>BA-Computer Science</b>	Krush,Joan
Tang	Chengyao	Junior	BS-Computer Science	Krush,Joan
Throndset	Andrew	Junior	BA-Computer Science	Krush,Joan
Walker	Jonathan	Junior	BS-Computer Science	Krush,Joan
Warne	Sean	Junior	BS-Computer Science	Krush,Joan
Weber	Gregory	Junior	BS-Computer Science	Krush,Joan
Wirrenga	Jaden	Junior	BS-Computer Science	Krush,Joan
Bierbaum	Gabriela	Senior	BS-Computer Science	Krush,Joan
Jacobs	Jestin	Senior	BS-Computer Science	Krush,Joan
Thomas	Adam	Senior	BS-Computer Science	Krush,Joan
Lakin	Reid	Freshman	BS-Computer Science	Latimer,Joseph
Bowser	Bryce	Junior	BS-Computer Science	Latimer, Joseph
Larson	Alexander	Junior	BS-Computer Science	Latimer, Joseph
Sharma	Surya	Junior	BS-Computer Science	Latimer,Joseph
Stein	Lucas	Junior	BS-Computer Science	Latimer,Joseph
Trom	Christopher	Junior	BS-Computer Science	Latimer, Joseph
Ullmann	Troy	Junior	BS-Computer Science	Latimer, Joseph
Ellingson	Nicholas	Senior	BS-Computer Science	Latimer, Joseph
Lambert	Austin	Senior	BS-Computer Science	Latimer, Joseph
Thul	Jamie	Senior	BS-Computer Science	Latimer, Joseph

Wallestad	Nathan	Sophomore	BS-Computer Science	Latimer,Joseph
Aakhus	Blake	Junior	BS-Computer Science	Li,Juan
Kostelecky	Marc	Junior	BS-Computer Science	Li,Juan
Marcellais	Phaden	Junior	BS-Computer Science	Li,Juan
Pohl	Joshua	Junior	BS-Computer Science	Li,Juan
Slaby	Franklin	Junior	BS-Computer Science	Li,Juan
Adam	Joseph	Senior	BS-Computer Science	Li,Juan
Canton	Erik	Senior	BS-Computer Science	Li,Juan
Heinle	Dennis	Senior	BS-Computer Science	Li,Juan
Rhen	Erick	Senior	BS-Computer Science	Li,Juan
Salveson	Keenan	Senior	BS-Computer Science	Li,Juan
Schumacher	Michael	Senior	BS-Computer Science	Li,Juan
Schutz	John	Senior	BS-Computer Science	Li,Juan
Emamian	Peyman	Graduate	MS-Computer Science	Li,Juan
Ginjala	Anisha	Graduate	MS-Computer Science	Li,Juan
Karnati	Yasvant Krishna	Graduate	MS-Computer Science	Li,Juan
Lu	Zhou	Graduate	MS-Computer Science	Li,Juan
Lu	Yang	Graduate	MS-Software Engineering	Li,Juan
Moparthi	Rashmi	Graduate	MS-Computer Science	Li,Juan
Muttineni	Divya	Graduate	MS-Computer Science	Li,Juan
Roodaki	Maryam	Graduate	MS-Computer Science	Li,Juan
Zaman	Nazia	Graduate	PHD-Computer Science	Li,Juan
Heilman	Nick	Junior	BA-Computer Science	Ludwig,Simone
Philippy	Joshua	Junior	BS-Computer Science	Ludwig,Simone
Raboin	Stephen	Junior	BS-Computer Science	Ludwig,Simone
Abrams	Joshua	Senior	BS-Computer Science	Ludwig,Simone
Cocozzello	Thomas	Senior	BS-Computer Science	Ludwig,Simone
Douvier	Gregory	Senior	BS-Computer Science	Ludwig,Simone
Ginkel	Jaron	Senior	BS-Computer Science	Ludwig,Simone
McGrath	Max	Senior	BS-Computer Science	Ludwig,Simone
Palmer	Kyle	Senior	BS-Computer Science	Ludwig,Simone
Ramberg	Stephen	Senior	BS-Computer Science	Ludwig,Simone
Thomas	Kevin	Senior	BS-Computer Science	Ludwig,Simone
Bauer	Kevin	Graduate	MS-Computer Science	Ludwig,Simone
Bhattacharyya	Krittika	Graduate	MS-Computer Science	Ludwig,Simone
Gagganapalli	Srikanth	Graduate	MS-Computer Science	Ludwig,Simone
Gaur	Himanshu	Graduate	MS-Computer Science	Ludwig,Simone
Li	Hanzhe	Graduate	MS-Computer Science	Ludwig,Simone
Manne	Priyanka	Graduate	MS-Computer Science	Ludwig,Simone
Kamel	Ashraf	Graduate	MS-Software Engineering	Ludwig,Simone
Dawar	Deepak	Graduate	PHD-Computer Science	Ludwig,Simone
Chen	Min	Graduate	PHD-Software Engineering	Ludwig,Simone

Riendeau	Justin	Senior	BS-Computer Science	Magel,Kenneth
Ladwig	Andrew	Graduate	CERT-Software Engineering	Magel,Kenneth
Mucha	Nithisha	Graduate	MS-Computer Science	Magel,Kenneth
Agrawal	Shilpi	Graduate	MSE-Software Engineering	Magel,Kenneth
Ahmed	Syed	Graduate	MSE-Software Engineering	Magel,Kenneth
Bajwa	, Muhammad Asad	Graduate	MSE-Software Engineering	Magel,Kenneth
Bischoff	Nancy	Graduate	MSE-Software Engineering	Magel,Kenneth
Blair	Cody	Graduate	MSE-Software Engineering	Magel,Kenneth
Carlton	Bobby	Graduate	MSE-Software Engineering	Magel,Kenneth
Chagonda	Arthur	Graduate	MSE-Software Engineering	Magel,Kenneth
Debevec	Christopher	Graduate	MSE-Software Engineering	Magel,Kenneth
Finn	Caitlin	Graduate	MSE-Software Engineering	Magel,Kenneth
Fleming	Janet	Graduate	MSE-Software Engineering	Magel,Kenneth
Gandhi	Harshada	Graduate	MSE-Software Engineering	Magel,Kenneth
Garcia	Agatha	Graduate	MSE-Software Engineering	Magel,Kenneth
George	Joakim	Graduate	MSE-Software Engineering	Magel,Kenneth
Heiser	Carolyn	Graduate	MSE-Software Engineering	Magel,Kenneth
Jaisi	Joel	Graduate	MSE-Software Engineering	Magel,Kenneth
McIntyre	Scott	Graduate	MSE-Software Engineering	Magel,Kenneth
Miller	Rebecca	Graduate	MSE-Software Engineering	Magel,Kenneth
Moudry	John	Graduate	MSE-Software Engineering	Magel,Kenneth
Munowenyu	Joseph	Graduate	MSE-Software Engineering	Magel,Kenneth
Nimmo	Eric	Graduate	MSE-Software Engineering	Magel, Kenneth
Niroula	Umanga	Graduate	MSE-Software Engineering	Magel,Kenneth
Parcham Azad	Kamrooz	Graduate	MSE-Software Engineering	Magel,Kenneth
Pietrowski	Todd	Graduate	MSE-Software Engineering	Magel,Kenneth
Poindexter	James	Graduate	MSE-Software Engineering	Magel,Kenneth
Rindfleisch	Joel	Graduate	MSE-Software Engineering	Magel,Kenneth
Selimovic	Migdad	Graduate	MSE-Software Engineering	Magel,Kenneth
Shakya	Yunesh	Graduate	MSE-Software Engineering	Magel,Kenneth
Shanahan	Forest	Graduate	MSE-Software Engineering	Magel,Kenneth
Shrestha	Ujjwal	Graduate	MSE-Software Engineering	Magel,Kenneth
Snell	Christopher	Graduate	MSE-Software Engineering	Magel,Kenneth
Srivastava	Arpit	Graduate	MSE-Software Engineering	Magel,Kenneth
Summey	Ryan	Graduate	MSE-Software Engineering	Magel,Kenneth
Vasilyev	Andrey	Graduate	MSE-Software Engineering	Magel,Kenneth
Yericherla	Hebsibha	Graduate	MSE-Software Engineering	Magel,Kenneth
Govindan	Janani	Graduate	MS-Software Engineering	Magel,Kenneth
Grant	James	Graduate	MS-Software Engineering	Magel,Kenneth
Gupta	Divya	Graduate	MS-Software Engineering	Magel,Kenneth
Harikrishnan	Deepthi	Graduate	MS-Software Engineering	Magel,Kenneth
Jan	Bonnie	Graduate	MS-Software Engineering	Magel,Kenneth
Kasam	Shashi Kanth	Graduate	MS-Software Engineering	Magel,Kenneth
Manjunath	Kavitha	Graduate	MS-Software Engineering	Magel,Kenneth
Patel	Parita	Graduate	MS-Software Engineering	Magel,Kenneth

Sathiaseelan	Anuevelyn	Graduate	MS-Software Engineering	Magel,Kenneth
Sharma	Rahul	Graduate	MS-Software Engineering	Magel,Kenneth
Simley	Judi	Graduate	MS-Software Engineering	Magel,Kenneth
, Al-Ahmad	Bilal	Graduate	PHD-Software Engineering	Magel,Kenneth
Altahlawi	Amro	Graduate	PHD-Software Engineering	Magel,Kenneth
Asgar	Talukdar	Graduate	PHD-Software Engineering	Magel,Kenneth
Attaallah	Abdulaziz	Graduate	PHD-Software Engineering	Magel,Kenneth
Barakat	Rahaf	Graduate	PHD-Software Engineering	Magel,Kenneth
Haug	Frank	Graduate	PHD-Software Engineering	Magel,Kenneth
Khan	MD Mahbubur	Graduate	PHD-Software Engineering	Magel,Kenneth
Williams	Robert	Graduate	PHD-Software Engineering	Magel,Kenneth
		C. addate		86.,6
Johnson	Tyler	Sophomore	BS-Computer Science	Myronovych,Oksana
Alean	Angela	Junior	<b>BA-Computer Science</b>	Myronovych, Oksana
Mische	Carlin	Junior	BS-Computer Science	Myronovych, Oksana
Panora	Juan	Junior	<b>BA-Computer Science</b>	Myronovych, Oksana
Burdick	Steven	Senior	BS-Computer Science	Myronovych, Oksana
Clayton	Rachelle	Senior	BS-Computer Science	Myronovych, Oksana
Dee	Dillon	Senior	BS-Computer Science	Myronovych,Oksana
Simon	James	Senior	BS-Computer Science	Myronovych,Oksana
Bouret	Megan	Graduate	MS-Computer Science	Nygard,Kendall E
Bu	Honggang	Graduate	MS-Computer Science	Nygard,Kendall E
Dinesh Singh	FNU	Graduate	MS-Computer Science	Nygard,Kendall E
Param	Sowjanya	Graduate	MS-Computer Science	Nygard,Kendall E
Phadke	Swapna	Graduate	MS-Computer Science	Nygard,Kendall E
Sen	Sourya	Graduate	MS-Computer Science	Nygard,Kendall E
Shevkar	Rupali	Graduate	MS-Computer Science	Nygard,Kendall E
Soni	Gaurav	Graduate	MS-Computer Science	Nygard,Kendall E
Wang	Di	Graduate	MS-Computer Science	Nygard,Kendall E
Yang	Yingjie	Graduate	MS-Computer Science	Nygard,Kendall E
Arora	Amit	Graduate	MS-Software Engineering	Nygard,Kendall E
Chhina	Ramneet	Graduate	MS-Software Engineering	Nygard,Kendall E
Huang	Zheng	Graduate	MS-Software Engineering	Nygard,Kendall E
Mehta	Puneet	Graduate	MS-Software Engineering	Nygard,Kendall E
Nuthulapati	Sri Lalitha	Graduate	MS-Software Engineering	Nygard,Kendall E
Pachaiyappan	Sathya	Graduate	MS-Software Engineering	Nygard,Kendall E
Rastogi	Aakanksha	Graduate	MS-Software Engineering	Nygard,Kendall E
Sharma	Aditi	Graduate	MS-Software Engineering	Nygard,Kendall E
Sijapati	Cady	Graduate	MS-Software Engineering	Nygard,Kendall E
Stone	Jason	Graduate	MS-Software Engineering	Nygard,Kendall E
Syed	Naveed	Graduate	MS-Software Engineering	Nygard,Kendall E
Wang	Yijun	Graduate	MS-Software Engineering	Nygard,Kendall E
Chowdhury	Md	Graduate	PHD-Computer Science	Nygard,Kendall E
Dass	Pranav	Graduate	PHD-Computer Science	Nygard,Kendall E

Kambhampaty	Krishna	Graduate	PHD-Computer Science	Nygard,Kendall E
Konar	Prosenjit	Graduate	PHD-Computer Science	Nygard, Kendall E
Lampl	Damian	Graduate	PHD-Computer Science	Nygard, Kendall E
Loree	Paul	Graduate	PHD-Computer Science	Nygard, Kendall E
Seetan	Raed	Graduate	PHD-Computer Science	Nygard,Kendall E
Sectori	naca	Gradate	The compater science	rtygara,rteriaan E
Ntaate	Allan	Junior	BS-Computer Science	Perrizo,William K
Clark	Benjamin	Senior	BS-Computer Science	Perrizo,William K
Knutson	Adam	Senior	BA-Computer Science	Perrizo,William K
Lee	Jason	Senior	BS-Computer Science	Perrizo,William K
Pavicic	Abel	Senior	BS-Computer Science	Perrizo,William K
Upton	Alexander	Senior	BS-Computer Science	Perrizo,William K
Mesich	Bryan	Graduate	MS-Computer Science	Perrizo,William K
Singh	Rajat	Graduate	MS-Computer Science	Perrizo,William K
Chatterjee	Arijit	Graduate	PHD-Computer Science	Perrizo,William K
Hossain	Mohammad	Graduate	PHD-Computer Science	Perrizo,William K
Moody	Clay	Sophomore	BS-Computer Science	Salem,Saeed
Brewer	Adam	Junior	BS-Computer Science	Salem,Saeed
Corcoran	James	Junior	BS-Computer Science	Salem,Saeed
Dobler	Donovan	Junior	BS-Computer Science	Salem,Saeed
MacDonald	Aric	Junior	BS-Computer Science	Salem,Saeed
Olsen	Samuel	Junior	BS-Computer Science	Salem,Saeed
Priestley	Trevor	Junior	BS-Computer Science	Salem,Saeed
Riley	Kelan	Junior	BS-Computer Science	Salem,Saeed
Bickler	John	Senior	BS-Computer Science	Salem,Saeed
Hiedeman	Katie	Senior	BS-Computer Science	Salem,Saeed
Joshi	Adit	Senior	BS-Computer Science	Salem,Saeed
Leadbetter	Jeremy	Senior	BS-Computer Science	Salem,Saeed
Mayer	Samuel	Senior	BS-Computer Science	Salem,Saeed
Sailer	Andrew	Senior	BA-Computer Science	Salem,Saeed
Sandberg	Adam	Senior	BS-Computer Science	Salem,Saeed
Schaefer	Patrick	Senior	BA-Computer Science	Salem,Saeed
Sheldon	Carl	Senior	BS-Computer Science	Salem,Saeed
Steffan	Jordan	Senior	BS-Computer Science	Salem,Saeed
Thomas	Michael	Senior	BS-Computer Science	Salem,Saeed
Welker	Michael	Senior	BS-Computer Science	Salem,Saeed
Yadav	Ritika	Senior	BS-Computer Science	Salem,Saeed
Durgapathi	Yashwanth Goud	Graduate	MS-Computer Science	Salem,Saeed
Kolte	Deepak	Graduate	MS-Computer Science	Salem,Saeed
Myneedi	Anusha	Graduate	MS-Computer Science	Salem,Saeed
Qormosh	Bassam	Graduate	MS-Computer Science	Salem,Saeed
Alroobi	Rami	Graduate	PHD-Computer Science	Salem,Saeed
Goparaju	Aditya	Graduate	PHD-Computer Science	Salem,Saeed

Frovarp	Richard	Graduate	MS-Computer Science	Slator,Brian
Noel	Elizabeth	Graduate	MS-Software Engineering	Slator,Brian
Borchert	Otto	Graduate	PHD-Computer Science	Slator,Brian
			·	
Stein	Adam	Junior	BS-Computer Science	Ubhaya, Vasant A
Close	Chad	Senior	BS-Computer Science	Ubhaya, Vasant A
Ebersohl	Brandon	Senior	BS-Computer Science	Ubhaya, Vasant A
Fritz	Joseph	Senior	BS-Computer Science	Ubhaya, Vasant A
Gordon	Madeline	Senior	BA-Computer Science	Ubhaya, Vasant A
Horner	Levi	Senior	BS-Computer Science	Ubhaya, Vasant A
Kakoty	Priyangshu	Senior	BS-Computer Science	Ubhaya, Vasant A
Lundgren	Alexander	Senior	BS-Computer Science	Ubhaya, Vasant A
Meske	Nicholas	Senior	BS-Computer Science	Ubhaya, Vasant A
Miller	Samuel	Senior	BA-Computer Science	Ubhaya, Vasant A
Weninger	Scott	Senior	BS-Computer Science	Ubhaya, Vasant A
Wolf	Alexander	Senior	BA-Computer Science	Ubhaya, Vasant A
			•	• •
Bigelow	Christopher	Sophomore	BS-Computer Science	Walia, Gursimran
Cook	Jason	Sophomore	BA-Computer Science	Walia, Gursimran
Christiansen	Jordan	Junior	BS-Computer Science	Walia, Gursimran
Dahl	Christopher	Junior	BS-Computer Science	Walia, Gursimran
Hasse	Christopher	Junior	BS-Computer Science	Walia, Gursimran
Altenburg	Kurt	Senior	BS-Computer Science	Walia, Gursimran
Dirks	Adam	Senior	BS-Computer Science	Walia, Gursimran
Kosse	Kaelen	Senior	BS-Computer Science	Walia, Gursimran
Mainz	John	Senior	BS-Computer Science	Walia, Gursimran
Malz	Justin	Senior	BS-Computer Science	Walia, Gursimran
Minar	Nicholas	Senior	BA-Computer Science	Walia, Gursimran
Norton	Shahana	Senior	BS-Computer Science	Walia, Gursimran
Rothstein	Justin	Senior	BS-Computer Science	Walia, Gursimran
Singh	Nikhil	Senior	BS-Computer Science	Walia, Gursimran
Amer	Wafaa	Graduate	CERT-Software Engineering	Walia, Gursimran
Brown	Rance	Graduate	CERT-Software Engineering	Walia, Gursimran
Qiu	Chengxiang	Graduate	CERT-Software Engineering	Walia, Gursimran
Patterson	Dale	Graduate	MSE-Software Engineering	Walia, Gursimran
Singh	Sandeep	Graduate	MSE-Software Engineering	Walia, Gursimran
Swedenburg	Jacob	Graduate	MSE-Software Engineering	Walia, Gursimran
Chang	Feng	Graduate	MS-Software Engineering	Walia, Gursimran
Guthi	Sai Anusha	Graduate	MS-Software Engineering	Walia, Gursimran
Hassan	Ammro	Graduate	MS-Software Engineering	Walia, Gursimran
Hegde	Shishir	Graduate	MS-Software Engineering	Walia, Gursimran
Rashid	Rumana	Graduate	MS-Software Engineering	Walia, Gursimran
Singh	Abhinav	Graduate	MS-Software Engineering	Walia, Gursimran
Singh	Ashish	Graduate	MS-Software Engineering	Walia, Gursimran
Tripathi	Snnahill	Graduate	MS-Software Engineering	Walia, Gursimran
-			-	

Singh	Maninder	Graduate	PHD-Computer Science	Walia, Gursimran
Agrawal	Tushar	Graduate	PHD-Software Engineering	Walia,Gursimran
Anu	Vaibhav	Graduate	PHD-Software Engineering	Walia,Gursimran
Goswami	Anurag	Graduate	PHD-Software Engineering	Walia,Gursimran
Henson	Michael	Graduate	PHD-Software Engineering	Walia,Gursimran
Hettiarachchi	Charitha	Graduate	PHD-Software Engineering	Walia,Gursimran
Higgs	Dewayne	Graduate	PHD-Software Engineering	Walia,Gursimran
Radermacher	Alex	Graduate	PHD-Software Engineering	Walia,Gursimran
Tomer	Avijeet	Graduate	PHD-Software Engineering	Walia,Gursimran
	•			
Croze	Austin	Freshman	BS-Computer Science	Yan,Changhui
Braima	Christian	Junior	BS-Computer Science	Yan,Changhui
Johar	Amandeep	Junior	BS-Computer Science	Yan,Changhui
Molnar	Carl	Junior	BS-Computer Science	Yan,Changhui
Spanier	Nathan	Junior	<b>BS-Computer Science</b>	Yan,Changhui
Birkholz	Nicole	Senior	BS-Computer Science	Yan,Changhui
Chaturvedi	Akshay	Senior	BS-Computer Science	Yan,Changhui
Fischer	Steven	Senior	BS-Computer Science	Yan,Changhui
Gan	Jie	Senior	BS-Computer Science	Yan,Changhui
Hatzenbuhler	Alexander	Senior	BS-Computer Science	Yan,Changhui
Hoque	Rahmanul	Senior	BS-Computer Science	Yan,Changhui
Luthjohn	Sean	Senior	BS-Computer Science	Yan,Changhui
Malmskog	Heather	Senior	BA-Computer Science	Yan,Changhui
Marks	Dominic	Senior	BS-Computer Science	Yan,Changhui
Savidge	Samuel	Senior	BA-Computer Science	Yan,Changhui
Skibinski	Deovandski	Senior	BA-Computer Science	Yan,Changhui
Summers	Kelly	Senior	BS-Computer Science	Yan,Changhui
Trautman	Eric	Senior	BS-Computer Science	Yan,Changhui
Yan	Qianwen	Senior	BS-Computer Science	Yan,Changhui
Zhang	Shujian	Senior	BS-Computer Science	Yan,Changhui
Ma	Yongchao	Graduate	MS-Computer Science	Yan,Changhui
Reddy	Vijay Reddy	Graduate	MS-Computer Science	Yan,Changhui
Sun	Liren	Graduate	MS-Software Engineering	Yan,Changhui
Cheng	Wen	Graduate	PHD-Computer Science	Yan,Changhui
Du	Yang	Graduate	PHD-Computer Science	Yan,Changhui
Sun	Qing	Graduate	PHD-Computer Science	Yan,Changhui

#### **B. RESEARCH/CREAVTIVE ACTIVITY**

#### **Grants/Contracts/Research:**

#### COMPUTER SCIENCE DEPARTMENT GRANTS AND CONTRACTS, PART 1 PROJECTS INITIATED PRIOR TO JULY 1, 2014, AND CONTINUING INTO THE 2014-2015 ACADEMIC YEAR

YEAR	GRANT	PRINCIPAL	TITLE	<b>FUNDIN</b>	AMOUNT
	#	INVESTIGAT OR		G	
		OR		SOURC E	
7-1-11 to 6-30-16	17967	Denton	Data Driven Support for the	NSF	254,499
7 1 11 10 0 30 10	17707	Denton	Smart Farm		254,477
8-1-13 to 7-31-17	18079	Denton/	NDSU Computer Science	Phoenix	15,000
		Knudson	Industry Consortium Program	International	
			(ICP)		
7-1-11 to 6-30-16	18751	Denton/	Data Driven Support for the	NSF	108,014
		Nowaski	Smart Farm		
4-1-12 to 3-31-17	18859	Do	CAREER Award	NSF	250,000
7-1-11 to 6-30-16	18752	Knudson	Data Driven Support for the	NSF	24,928
0.15.11 + 0.21	10160	17	Smart Farm	NSF	200,000
9-15-11 to 8-31-	18160	Kong	MRI – Development of a Cross Platform Infrastructure	NSF	300,000
16 11/21/13 to	21694	Li		Cisco	51,359
4/15/15	21094	LI	Efficient Knowledge Management	Systems	31,339
1/6/14 to 1/5/15	22566	Li	NDSU Computer Science	Valley	15,000
1/0/14 to 1/3/13	22300	LI	Industry Consortium Program	Express	13,000
			(ICP)	Lapiess	
10/15/13 to	22229	Ludwig	NDSU Computer Science	CNE	15,000
7/31/15		Knudson	Industry Consortium Program		·
			(ICP)		
8-1-12 to 7-31-15	18083	Ludwig	NDSU Computer Science	RDO	15,000
			Industry Consortium Program	Equipment	
			(ICP)	Company	
9-15-11 to 8-31-	19128	Ludwig/	Great Plains Software	Upper	30,000
15		Knudson		Great	
0/15/14	22506	T 1 .	EODWARD C DI	Plains	0017
8/15/14 to	23586	Ludwig	FORWARD – Course Release	NSF	9017
5/31/15 9/1/13 to 8/15/15	20981	Magel	Honeywell, Inc.	Honeywell	175,000
3-12 to 4/15	18139	Nygard	Military Logistics	Upper	5,000
3-12 to 4/13	10139	Tygaru	Williamy Logistics	Great	3,000
				Plains	
4-1-12 to 3-31-15	19447	Walia	Integrating Testing	NSF	78,959
8/1/13 to 7/31/16	20516	Yan	ABI Innovation	NSF	301,702

YEAR	GRANT #	PRINCIPAL INVESTIGAT OR	TITLE	FUNDIN G SOURC E	AMOUNT
9/1/13 to 8/31/16	20756	Yan	ABC-A Biology Cloud	NSF	314,774
TOTAL					1,963,252

## COMPUTER SCIENCE DEPARTMENT GRANTS AND CONTRACTS PROJECTS INITIATED DURING THE JULY 1, 2014 TO JUNE 30, 2015 TIME PERIOD

YEAR	GRANT #	PRINCIPAL INVESTIGA TOR	TITLE	FUNDING SOURCE	AMOUNT
8/1/14 to 7/31/15	23780	Denton	ND EPsCOR – Innovative & Strategic Program Initiative for Research and Education ND (INSPIRE-ND)	NSF	97,411
7/1/15 to 3/31/17	18859	Do	Career Award – new funds	NSF	145,520
2/1/15 to 1/31/20	23459	Jin	CAREER Award	NSF	249,216
5/1/15 to 8/31/15	23261	Ludwig	STARS Outreach	NCWIT	1,000
8/1/14 to 7/31/17	22564	Salem	III Small: A Novel Framework for Mining Multi-relation and labeled Graphs	NSF	345,551
8/1/14 to 7/31/17	23471	Walia	Integrating Software Engineering and Human Error Models - TRAVEL	NSF	9,000
8/1/14 to 7/31/17	22563	Walia	Integrating Software Engineering and Human Error Models	NSF	171,242
Totals					1,018,970

#### **Fall 2014 / Spring 2015 Graduate Research Assistants**

Dan Aceituna	Rami Alroobi	Sadhana Badu
Babitha Battu	Lohit Bhurale	Harshada Chaven
Wen Cheng	Charith Chitraranjan	Deepak Dawar
Nitendra Gautam	Anurag Goswami	Shuhang Li
Liren Sun	Yongchao Ma	Vijay Reddy
Arighua Roy	Rajat Singh	Qing Sun
Di Wang	Qi Wang	Gongyi Xia
Nazia Zaman	Vaibhav Anu	Ashish Singh
Qingrui Li	MD Faisal Kabir	

#### **Fall 2014 / Spring 2015 Undergraduate Research Assistants**

Wei Kang Lim
Eric Krenz
Mary Pearson
San Ha Seo

Max McGrath	
Rebecca Nelson	
Michael Schumacher	
Deovandski Skibinski	

#### Faculty Publications/Presentation and Course Instruction:

#### Sameer Abufardeh

Peer-reviewed publication: 4

Invited National, international presentations: 0

#### **Anne Denton**

Peer-reviewed publication: 8

Invited National, international presentations: 3

#### **Hyunsook Do**

Peer-reviewed publication: 12

Invited National, international presentations: 4

#### **Janet Fleming**

Peer-reviewed publication: 0

Invited National, international presentations: 0

#### Wei Jin

Peer-reviewed publication: 7

Invited National, international presentations: 0

#### **Dean Knudson**

Peer-reviewed publication: 4

Invited National, international presentations: 7

#### Jun Kong

Peer-reviewed publication: 7

Invited National, international presentations: 3

#### Pratap Kotala

Peer-reviewed publication: 0

Invited National, international presentations: 0

#### Juan Li

Peer-reviewed publication: 13

Invited National, international presentations: 0

#### **Simone Ludwig**

Peer-reviewed publication: 20

Invited National, international presentations: 3

#### **Kenneth Magel**

Peer-reviewed publication: 11

Invited National, international presentations: 0

#### Oksana Myronovych

Peer-reviewed publication: 1

Invited National, international presentations: 0

#### **Kendall Nygard**

Peer-reviewed publication: 9

Invited National, international presentations: 7

#### **William Perrizo**

Peer-reviewed publication: 6

Invited National, international presentations: 4

#### Alex Radermacher

Peer-reviewed publication: 0

Invited National, international presentations: 0

#### **Saeed Salem**

Peer-reviewed publication: 6

Invited National, international presentations: 3

#### **Brian Slator**

Peer-reviewed publication: 6

Invited National, international presentations: 4

#### Vasant Ubhaya

Peer-reviewed publication: 0

Invited National, international presentations: 0

#### **Gursimran Walia**

Peer-reviewed publication: 22

Invited National, international presentations: 4

#### Changhui Yan

Peer-reviewed publication: 7

Invited National, international presentations: 0

## SUMMER II SCHEDULE 2014

COURSE HOURS	CLASS TITLE	INSTRUCTOR	ENROLL	STUDENT CREDIT
114	Microcomputer Packages - DCE	Janet Fleming	47	3
116	Business Use of Computers - DCE	Pratap Kotala	38	4
122	Programming in Basic –VB.Net - <i>DCE</i>	O. Myronovych	10	3
159	Computer Science Prob. Solving - DCE	O. Myronovych	14	3
161	Computer Science II	S. Abufardeh	18	4
213	Modern Solftware Development	O. Myronovych	18	3
222	Discrete Mathematics	V. Ubhaya	6	3
372	Comparative Languages - DCE	S. Abufardeh	15	3
473	Foundations of Digital Enterprise - DCE	P. Kotala	13	3
488	Human Computer Interaction	J. Kong	3	3
688	Human Computer Interaction	J. Kong	7	3
713	Software Engineering I - DCE	K. Magel	5	3
714	Software Projects Plan Estimation	G. Walia	10	3
715	Software Req/Definition/Analys-DCE	K. Magel	7	3
716	Software Design – <i>DCE</i>	K. Magel	4	3
717	Software Construction – <i>DCE</i>	K. Magel	7	3
718	Software Testing & Debugging - DCE	K. Magel	9	3
735	Neural Networks	S. Ludwig	12	3
774	Topics of Digital Enterprise DCE	K. Nygard	12	3
797	Master Paper	Faculty	2	1-10
798	Master Thesis	Faculty	1	1-10
799	Doctoral Dissertation	Faculty	2	1-15

## FALL SEMESTER SCHEDULE 2014

COURSE HOURS	CLASS TITLE	INSTRUCTOR	ENROLL	STUDENT CREDIT
114	Microcomputer Packages	A. Goswami	55	3
114	Microcomputer Packages	J. Govindan	50	3
114	Microcomputer Packages	Elizabeth Noel	55	3
114	Microcomputer Packages	Deepak Dawar	53	3
114	Microcomputer Packages	Maninder Singh	41	3

114	Microcomputer Packages	Maninder Singh	39	3
114	Microcomputer Packages - DCE	Janet Fleming	75	3
116	Business Use of Computer	Ashraf Kamel	52	4
116	Business Use of Computers	K. Manjunath	53	4
116	Business Use of Computers	K.Bhattacharya	56	4
116	Business Use of Computers	Rami Alroobi	52	4
116	Business Use of Computers	S. Mattaparthi	40	4
116	Business Use of Computers	S. Mattaparthi	40	4
116	Business Use of Computers - DCE	Pratap Kotala	91	4
122	Beginning BASIC/Visual BASIC	Janet Fleming	41	3
122	Beginning BASIC/Visual BASIC	Damian Lampl	40	3
122	Beginning BASIC/Visual BASIC - DCE	O. Myronovych	21	3
125	Beginning COBOL	Janet Fleming	13	3
159	Computer Sc. Problem Solving	Janet Fleming	39	3
159	Computer Sc. Problem Solving	Pratap Kotala	15	3
160	Computer Science I	A. Radermacher	40	4
160	Computer Science I	A. Radermacher	39	4
160	Computer Science I	Pratap Kotala	44	4
160	Computer Science I	A. Radermacher	39	4
161	Computer Science II	S. Abufardeh	41	4
161	Computer Science II	S. Abufardeh	42	4
172	Intermediate BASIC/Visual BASIC -DCE	O. Myronovych	6	3
213	Modern Software Development	O. Myronovych	42	3
213	Modern Software Development	O. Myronovych	44	3
213	Modern Software Development	O. Myronovych	27	3
222	Discrete Mathematics	V. Ubhaya	42	3
227	Computing Fund I	P. Kotala	26	3
277	Intro to UNIX	J. Latimer	17	3
312	Survey of Programming Languages	W. Jin	17	3
315	Systems Analysis & Design	G. Walia	30	3
366	Files/Database System	A. Denton	33	3
372	Comparative Languages	Wei Jin	25	3
374	Computer Organization	J. Latimer	34	3
413	Principles of Software Eng.	Hyunsook Do	37	3
415	Networking/Parallel Computation	Saeed Salem	41	3
428	Computational Techniques for Envir.	Anne Denton	5	3
453	Linear Programming & Network Flows	K. Nygard	7	3
458	Microcomputer Graphics	O. Borchert	15	3
459	Foundataions of Computer Networks	Changhui Yan	29	3
469	Network Security - DCE	S. Abufardeh	3	3
474	Operating Systems Conc.	J. Kong	39	3
474	Operating Systems Conc.	J. Latimer	20	3
477	Object-Orieented Systems	S. Abufardeh	10	3

479	Introduction to Data Mining	S. Salem	11	3
489	Social Implications of Comp	K. Nygard	48	3
628	Computational Techniques for Envir.	Anne Denton	6	3
653	Linear Programming & Network Flows	K. Nygard	3	3
659	Foundataions of Computer Networks	Changhui Yan	29	3
669	Netwrok Security	S. Abufardeh	14	3
677	Object-Oriented Systems	S. Abufardeh	10	3
679	Introducation to Datat Mining	S. Salem	17	3
689	Social Implications of Comp	K. Nygard	14	3
713	Software Engineering I	K. Magel	23	3
713	Software Engineering I- DCE	K. Magel	20	3
714	Software Project Planning & Estimation	K. Magel	19	3
715	Software Req/Definition/Analys	G. Walia	15	3
715	Software Req/Definition/Analys-DCE	K. Magel	12	3
716	Software Design - DCE	K. Magel	9	3
717	Software Construction - DCE	K. Magel	6	3
718	Software Testing and Debugging - DCE	K. Magel	7	3
741	Algoritm Analysis	V. Ubhaya	28	3
747	Software Complexity Metrics	G. Walia	16	3
765	Intro to Database Systems	W. Perrizo	31	3
783	ST/Empirical Software Engrineering - DCE	G. Walia	7	3
790	Sem/Software Engineering	K. Magel	15	1
790	Sem/ Applications of Networks	S. Salem	11	1
790	Sem/ Data Mining Science	Anne Denton	10	1
797	Masters Paper	Staff	65	1-10
798	Master Thesis	Staff	22	1-10
846	Development of Distributed Systems	J. Li	12	3
847	Software Complexity Metrics	G.Walia	4	3
899	Doctoral Dissertation	Staff	32	1-15

# SPRING SEMESTER SCHEDULE 2015

COURSE HOURS	CLASS TITLE	INSTRUCTOR	ENROLL	STUDENT CREDIT
114	Microcomputer Packages	Janet Fleming	56	3
114	Microcomputer Packages	Priyanka Dawaw	54	3
114	Microcomputer Packages	Anurag Goswami	55	3
114	Microcomputer Packages	Elizabeth Noel	54	3
114	Microcomputer Packages	J. Govindan	46	3
114	Microcomputer Packages	J. Govindan	45	3
114	Microcomputer Packages - DCE	Janet Fleming	77	3
116	Business Use of Computers	Asraf Kamel	56	4
116	Business Use of Computers	K. Manjunath	57	4

116	Business Use of Computers	Eshita Zaman	58	4
116	Business Use of Computers	Rami Alroobi	55	4
116	Business Use of Computers	C. Fernando	40	4
116	Business Use of Computers	C. Fernando	39	4
116	Business Use of Computers - DCE	Pratap Kotala	85	4
122	Beginning BASIC/Visual BASIC	Janet Fleming	40	3
122	Beginning BASIC/Visual BASIC	Deepak Dawar	41	3
122	Beginning BASIC/Visual BASIC - DCE	O. Myronvych	35	3
159	Computer Sc. Problem Solving	Janet Fleming	40	3
159	Computer Sc. Problem Solving - DCE	P. Kotala	24	3
160	Computer Science I	Alex Radermacher	35	4
160	Computer Science I	Alex Radermacher	39	4
160	Computer Science I	Alex Radermacher	41	4
161	Computer Science II	P. Kotala	39	4
161	Computer Science II	P. Kotala	38	4
161	Computer Science II	J. Latimer	30	4
161	Computer Science II	J. Latimer	22	4
222	Discrete Mathematics	V. Ubhaya	48	3
228	Computing Fundamentals II	J. Latimer	22	3
313	Software Development for Games	S. Abufardeh	44	3
313	Software Development for Games	S. Abufardeh	44	3
316	System Testing & Maintenance	O. Myronovych	25	3
336	Theoretical CS II	G. Walia	72	3
345	Topics on Personal Computers	B. Slator	42	3
366	Database Systems	A. Denton	45	3
371	Web Scripting Language	O. Myronovych	41	3
372	Comparative Prog Languages	S. Abufardeh	39	3
374	Computer Organization	C. Yan	43	3
415	Networking & Parallel Computation	S. Salem	12	3
426	Intro to Artificial Intelligence	S. Ludwig	40	3
445	Software Projects Capstone	D. Knudson	57	3
467	Algorithm Analysis	V. Ubhaya	58	3
473	Foundation of Digital EnterDCE	K. Nygard	4	3
489	Social Implications of Comp - DCE	K. Nygard	4	3
494	Independent Study	J. Latimer	1	3
494	Independent Study	G. Walia	1	1
713	Software Engineering I - DCE	K. Magel	15	3
714	Software Project Planning & Estimat -DCE	G. Walia	10	3
715	Software Requirements Defn & Anal DCE	K. Magel	6	3
716	Software Design	K. Magel	16	3
716	Software Design – <i>DCE</i>	K. Magel	9	3
717	Software Construction - <i>DCE</i>	T. King	9	3
717	Software Construction	S. Abufardeh	9	3

718	Software Testing/Debugging	O. Myronovych	8	3
718	Software Testing/Debugging - DCE	K. Magel	4	3
724	Survey/Artificial Intelligence	J. Li	32	3
724	Survey/Artificial Intelligence - DCE	J. Li	15	3
732	Intro to Bioinformatics	C. Yan	30	3
765	Intro to Database Systems	W. Perrizo	12	3
765	Intro to Database Systems - DCE	W. Perrizo	10	3
771	Software Projects I	K. Magel	0	3
771	Software Projects I - DCE	K. Magel	2	3
772	Software Projects II	K. Magel	0	3
772	Software Projects II - DCE	K. Magel	2	3
790	Sem/Educational Media	B. Slator	12	1
790	Sem/Software Engineering	K. Magel	12	1
790	Sem/Intelligent User Interface	J. Kong/J. Li	20	1
790	Sem/Parallel/Vertical High Perform	W. Perrizo	7	1
790	Sem/Intelligent Systems	S. Ludwig	12	1
797	Masters Paper	Staff	53	1-10
798	Master Thesis	Staff	22	1-10
846	Development of Distributed Systems	J. Li	12	3
846	Development of Dist. Systems – DCE	J. Li	5	3
847	Software Complexity Metrics	G. Walia	7	3
879	Advanced Data Mining	W. Perrizo	9	3
885	Topics in Computer Architecture	H. Do	7	3
899	Doctoral Dissertation	Staff	34	1-15

# SUMMER II SCHEDULE 2015

COURSE				STUDENT
HOURS	CLASS TITLE	INSTRUCTOR	<b>ENROLL</b>	CREDIT
114	Microcomputer Packages - DCE	J. Fleming	50	3
116	Business Use of Computers - DCE	P. Kotala	40	4
122	Programming in Basic VB.NET - DCE	O. Myronvych	12	3
159	Computer Science Problem Solving - DCE	O. Myronovych	10	3
161	Computer Science II	A. Radermacher	29	4
213	Modern Software Development	O. Myronovych	22	3
372	Comparative Languages - DCE	S. Abufardeh	10	3
473	Foundations of Digital Enter - DCE	K. Nygard	8	3
488	<b>Human Computer Interaction</b>	J. Kong	4	3
688	<b>Human Computer Interaction</b>	J. Kong	12	3
713	Software Engineering - DCE	K. Magel	4	3
714	Software Project Planning & Estimat –DCE	G. Walia	15	3
716	Software Design - DCE	K. Magel	8	3
717	Software Construction - DCE	S. Abufardeh	3	3

718	Software Testng & Debugging – DCE	O. Myronovych	3	3
736	Advanced Intelligent Systems	S. Ludwig	11	3
741	Algorthm Analysis	V. Ubhaya	5	3
771	Software Projects I - DCE	K. Magel	2	3
772	Software Projects II - DCE	K. Magel	0	3
774	Topics of Digital Enterprise – DCE	K. Nygard	6	3
797	Master Paper	Faculty	3	1-10
798	Master Thesis	Faculty	5	1-10
799	Doctorial Dissertation	Faculty	11	1-15

# **Enrollment and FTE Data**

## **STUDENT RATING OF INSTRUCTION RESULTS 2014-2015**

### **FALL, 2014 and SPRING 2015**

FALL, 2014 and SI KING 2013									
Questions	VG	G	IB	P	VP	OMI	DEPARTMENT LEVEL		
						T	Mean S.D. #R		
100 TO 200 LEVEL									
1. Your satisfaction with the	36.7	41.5	14.8	5.6	1.3	0.3	4.150 0.900 1999		
instruction in this course.									
2. The instructor as a teacher.	39.1	38.8	14.7	5.7	1.3	0.5	4.208 0.901 1997		
3. The ability of the instructor	36.9	36.4	16.5	7.6	2.3	0.3	4.093 0.966 2000		
to communicate effectively									
4. The quality of this course	34.1	40.1	18.3	5.3	1.6	0.5	4.098 0.908 1997		
5. The fairness of procedures	52.2	37.1	8.2	1.5	0.6	0.5	4.414 0.753 1996		
for grading this course.									
6. Your understanding of the	34.5	43.9	16.1	4.1	0.8	0.5	4.135 0.818 1995		
course content.									
Questions	SA	A	N	D	SD	OMI	DEPARTMENT LEVEL		
<b>C</b>						Т	Mean S.D. #R		
7. Instructor created an atmosphere	36.1	44.5	15.0	3.2	0.8	0.3	4.210 0.794 1998		
conducive to learning.									
8. Instructor provided well-defined	38.1	46.2	12.0	2.9	0.5	0.3	4.231 0.790 1996		
course objective.	20.4								
9. Instructor provided	38.4	43.4	12.7	4.1	0.9	0.4	4.177 0.868 1995		
content/materials clear/organized 10. I understood how grades were	46.1	39.2	9.5	3.8	1.0	0.4	4 212 0 010 1007		
assigned in this course.	40.1	39.2	9.3	3.8	1.0	0.4	4.312 0.818 1995		
11. I met/exceeded the course	38.1	45.6	12.9	2.7	0.4	0.4	4.216 0.757 1994		
objectives for this course	20.1		12.5		· · ·		1.210 0.737 1991		
12. Instructor was available to	44.4	38.3	13.1	3.4	0.5	0.3	4.264 0.811 1996		
assist students outside class									
13. Instructor provided feedback in	42.4	40.2	11.1	4.2	1.6	0.4	4.214 0.875 1997		
a timely manner.	27.0	40.1	150	4.0	1.0	0.4			
14. Instructor provided relevant	37.9	40.1	15.8	4.8	1.2	0.4	4.139 0.881 1995		
feeback that helped me learn  15. Instructor set + maintained high	35.7	44.8	15.9	2.1	1.0	0.4	4.151 0.799 1997		
standards for students	33./	44.8	13.9	2.1	1.0	0.4	4.151 0./99 199/		
16. Physical environment was	38.4	44.0	12.9	2.8	1.5	0.4	4.181 0.814 1995		
conducive to learning		5	12.5		1.0		1.101 0.014 1993		

Questions	VG	G	IB	P	VP	OMI	DEPAR'	TMENT I	LEVEL
						T	Mean	S.D.	#R
300 TO 400 LEVEL									
Your satisfaction with the	39.9	43.3	12.2	2.7	1.9	0.0	4.150	0.900	1999
instruction in this course.									
2. The instructor as a teacher.	47.6	36.9	11.0	3.2	1.2	0.1	4.208	0.901	1997
3. The ability of the instructor	39.4	40.5	15.3	3.3	1.4	0.0	4.093	1.011	2000
to communicate effectively									
4. The quality of this course	37.9	44.3	12.7	3.6	1.4	0.0	4.098	0.908	1997
5. The fairness of procedures	52.4	39.5	5.8	0.9	1.3	0.1	4.414	0.753	1996
for grading this course.									
6. Your understanding of the	34.3	49.5	13.3	2.2	0.6	0.1	4.135	0.818	1995

course content.							
Questions	SA	A	N	D	SD	OMI T	DEPARTMENT LEVEL Mean S.D. #R
7. Instructor created an atmosphere conducive to learning.	37.2	50.7	9.4	1.9	0.4	0.4	4.210 0.794 1998
8. Instructor provided well-defined course objective.	38.1	48.3	9.4	2.6	0.9	0.7	4.231 0.790 1996
9. Instructor provided content/materials clear/organized	37.6	44.4	12.3	3.2	1.7	0.7	4.177 0.868 1995
10. I understood how grades were assigned in this course.	46.5	43.6	6.9	0.9	1.6	0.6	4.312 0.849 1995
11. I met/exceeded the course objectives for this course	34.9	51.4	11.7	1.2	0.3	0.6	4.216 0.757 1994
12. Instructor was available to assist students outside class	41.2	44.3	11.9	1.3	0.7	0.6	4.264 0.811 1996
13. Instructor provided feedback in a timely manner.	37.5	49.5	8.5	2.2	1.9	0.4	4.214 0.875 1997
14. Instructor provided relevant feeback that helped me learn	34.0	49.3	11.9	2.6	1.6	0.6	4.139 0.881 1995
15. Instructor set + maintained high standards for students	30.8	52.4	14.2	1.6	0.6	0.4	4.151 0.799 1997
16. Physical environment was conducive to learning	33.0	49.8	14.3	1.7	0.7	0.4	4.181 0.814 1995

Questions	VG	G	IB	P	VP	OMI	DEPARTMENT LEVEL
Questions	'		110	•	1	T	Mean S.D. #R
600 TO 700 LEVEL							
Your satisfaction with the	59.2	29.4	5.7	1.3	0.9	3.5	4.150 0.900 1999
instruction in this course.							
2. The instructor as a teacher.	64.9	26.8	3.5	0.9	0.9	3.1	4.208 0.901 1997
3. The ability of the instructor	61.8	25.9	7.0	1.8	0.4	3.1	4.093 0.966 2000
to communicate effectively							
4. The quality of this course	53.5	35.5	6.6	0.4	0.9	3.1	4.098 0.908 1997
5. The fairness of procedures	61.0	29.4	3.9	0.9	1.3	3.5	4.414 0.753 1996
for grading this course.							
6. Your understanding of the	45.6	43.9	5.7	0.9	0.4	3.5	4.135 0.818 1995
course content.							
Questions	SA	A	N	D	SD	OMI	DEPARTMENT LEVEL
						T	Mean S.D. #R
7. Instructor created an atmosphere	63.6	28.5	3.9	1.3	0.0	2.6	4.210 0.794 1998
conducive to learning.							
8. Instructor provided well-defined	59.2	31.1	4.4	1.8	0.9	2.6	4.231 0.790 1996
course objective.		24.4		1			
9. Instructor provided content/materials clear/organized	57.5	31.1	4.4	3.1	1.3	2.6	4.177 0.868 1995
10. I understood how grades were	58.3	30.7	7.0	0.0	0.9	3.1	4.312 0.818 1995
assigned in this course.	36.3	30.7	7.0	0.0	0.9	3.1	4.312 0.818 1993
11. I met/exceeded the course	50.4	36.4	7.0	2.6	0.0	3.5	4.216 0.757 1994
objectives for this course							
12. Instructor was available to	57.0	32.9	5.3	0.4	1.3	3.1	4.264 0.811 1996
assist students outside class							
13. Instructor provided feedback in	58.3	30.3	4.8	2.6	1.3	2.6	4.214 0.875 1997
a timely manner.  14. Instructor provided relevant	55.7	32.0	5.7	2.2	1.3	3.1	4 120 0 991 1005
feeback that helped me learn	33.7	32.0	3.7	2.2	1.3	3.1	4.139 0.881 1995
15. Instructor set + maintained high	50.4	37.3	7.0	0.9	1.8	2.6	4.151 0.799 1997
standards for students							
16. Physical environment was	53.1	36.4	6.6	0.4	0.0	3.5	4.181 0.814 1995
conducive to learning							

## C. OUTREACH

## **Cooperative Education:**

# Placement Summary Fall 2014, Spring 2105, Summer 2015

Semester	Last Name	First Name	Employer	<b>Employer City</b>	<b>Employer State</b>	Job Type	Major
Fall 2014	Durgapathi	Yashwanth Goud	BAVE Technologies Inc.	Austin	Texas	Full-time Coop	Computer Science
Fall 2014	Gregoire	Kevin	Bobcat/Doosan	Bismarck	North Dakota	Full-time Coop	Computer Science
Fall 2014	Moore	Jordan	Bobcat/Doosan	Gwinner	North Dakota	Full-time Coop	Computer Science
Fall 2014	Spofford	Daniel	Doosan Information & Communications America	Fargo	North Dakota	Full-time Coop	Computer Science
Fall 2014	Gaur	Himanshu	Emerson Process Management - Process Systems & Solutions	Eden Prairie	Minnesota		Computer Science
Fall 2014	Gagganapalli	Srikanth Reddy	eTek IT Services	Chicago	Illinois		Computer Science
Fall 2014	Burdick	Steven	Hutchinson Technology Inc.	Hutchinson	Minnesota		Computer Science
Fall 2014	Shevkar	Rupali	Murthy Consultancy Services	Edison	New Jersev		Computer Science
Fall 2014	Friedman	Ted	Myriad Mobile	Fargo	North Dakota		Computer Science
Fall 2014	Yadav	Ritika	Networked Energy Services (FKA Echelon)	Fargo	North Dakota		Computer Science
Fall 2014	Kolte	Deepak	Open Access Technology Int'l, Inc. (OATI)	Minneapolis	Minnesota		Computer Science
Fall 2014	Gautam	Nitendra	Renee Systems, Inc.	Brecksville	Ohio		Computer Science
Fall 2014	Ruda	Stephen	Simply Made Apps	Fargo	North Dakota		Computer Science
Spring 2015	Shevkar	Rupali	aurionPro Solutions	Edison	New Jersey	Full-time Coop	Computer Science
Spring 2015	Ginjala	Anisha	Avco Consulting, Inc.	Worcester	Maine		Computer Science
Spring 2015	Welker	Michael	Clinical Supplies Management (CSM)	Fargo	North Dakota		Computer Science
Spring 2015	Gagganapalli	Srikanth Reddy	eTek IT Services	Schaumburg	Illinois		Computer Science
Spring 2015	Mattaparthi	Sowjanya	Leidholm Technologies	Fargo	North Dakota		Computer Science
Spring 2015	McCrory	Michael	Maverick Software Consulting	Lakeville	Minnesota		Computer Science
Spring 2015	Christianson	Lauren	ND Dept. of Veteran's Affairs	Fargo	North Dakota		Computer Science
Spring 2015	Yadav	Ritika	Networked Energy Services (FKA Echelon)	Fargo	North Dakota		Computer Science
Spring 2015	Bhardwai	Akshay	NorthStar Technology Group, Inc.	Fargo	North Dakota		Computer Science
Spring 2015	Kolte	Deepak	Open Access Technology Int'l, Inc. (OATI)	Minneapolis	Minnesota		Computer Science
Spring 2015	Battu	Babitha	Open Access Technology Int'l, Inc. (OATI)	Minneapolis	Minnesota		Computer Science
Spring 2015	Badu	Sadhana	Open Access Technology Int'l, Inc. (OATI)	Minneapolis	Minnesota		Computer Science
Spring 2015	Peruri	Alekya	Open Access Technology Int'l, Inc. (OATI)	Minneapolis	Minnesota		Computer Science
Spring 2015	Reddy	Vijay Reddy	Open Access Technology Int'l, Inc. (OATI)	Minneapolis	Minnesota		Computer Science
Spring 2015	Gautam	Nitendra	Renee Systems, Inc.	Brecksville	Ohio		Computer Science
Spring 2015	Roodaki	Maryam	Spirae	Fort Collins	Colorado		Computer Science
Spring 2015	Muttineni	Divya	Waynsys	Edison	New Jersey		Computer Science
Summer 2015	Sharma	Surya	Appareo Systems, LLC	Fargo	North Dakota	Full-time Coop	Computer Science
Summer 2015	Moparthi	Rashmi	BAVE Technologies Inc.	Austin	Texas	Full-time Coop	Computer Science
Summer 2015	Sailer	Andrew	BPro Inc	Horace	North Dakota		Computer Science
Summer 2015	Zaman	Nazia	Cisco Systems, Inc	San Jose	California	Full-time Coop	Computer Science
Summer 2015	Losinski	Tyler	Doosan Information & Communications America	Gwinner	North Dakota	Full-time Coop	Computer Science
Summer 2015	Gagganapalli	Srikanth Reddy	eTek IT Services	Schaumburg	Illinois	Full-time Coop	Computer Science
Summer 2015	Arneson	Corey	Intelligent InSites	Fargo	North Dakota	Full-time Coop	Computer Science
Summer 2015	Ford	Marshall	KDV	Bloomington	Minnesota	Part-time Coop	Computer Science
Summer 2015	Mattaparthi	Sowjanya	Leidholm Technologies	Fargo	North Dakota	Part-time Coop	Computer Science
Summer 2015	Narasareddy Gari	Mourva Reddy	NetScout Systems, Inc.	Boston	Massachusetts	Full-time Coop	Computer Science
Summer 2015	Palmer	Kyle	NISC (National Information Solutions Cooperative)	Mandan	North Dakota	Full-time Coop	Computer Science
Summer 2015	Peruri	Alekya	Open Access Technology Int'l, Inc. (OATI)	Minneapolis	Minnesota	Full-time Coop	Computer Science
Summer 2015	Reddy	Vijay Reddy	Open Access Technology Int'l, Inc. (OATI)	Minneapolis	Minnesota		Computer Science
Summer 2015	Badu	Sadhana	Open Access Technology Int'l, Inc. (OATI)	Minneapolis	Minnesota		Computer Science
Summer 2015	Battu	Babitha	Open Access Technology Int'l, Inc. (OATI)	Minneapolis	Minnesota		Computer Science
Summer 2015	Tomer	Avijeet	Pearson VUE	Bloomington	Minnesota		Software Engineering, Computer Science
Summer 2015	Gautam	Nitendra	Renee Systems, Inc.	Brecksville	Ohio		Computer Science
Summer 2015	Ghosh	Priyanka	The Toro Company	Minneapolis	Minnesota		Computer Science
Summer 2015	Bhattacharyya	Krittika	The Toro Company	Bloomington	Minnesota		Computer Science
Summer 2015	Muttineni	Diwa	Unigo Inc.	IRVING	Texas		Computer Science

### **Department Employment of graduates:**

Fall 2014 Graduate Teaching Assistants –

Graduate Teaching Assistant	Course
Anurag Goswami	CSCI 114
Janani Govindan	CSCI 114
Elizabeth Noel	CSCI 114
Deepak Dawar	CSCI 114
Maninder Singh	CSCI 114
Maninder Singh	CSCI 114
Ashraf Kamel	CSCI 116
Kritta Bhattacharyya	CSCI 116
Kavitha Manjunath	CSCI 116
Rami Alroobi	CSCI 116
Sowjanya Mattaparthi	CSCI 116
Sowjanya Mattaparthi	CSCI 116
Damian Lampl	CSCI 122

Fall 2014 Graduate Assistants (Tutors)

Hanzhe Li	CSCI 114
Yang Lu	CSCI 114
Mostofa Ahsan	CSCI 116
Sirisha Veeraganta	CSCI 116
Babitha Battu	CSCI 160
Maninder Singh	CSCI 160
R. Moparthi	CSCI 160
R. Subramanian	CSCI 160
Priyanka Ghosh	CSCI 161
S. Gagganapalli	CSCI 161

### Fall 2014 Graduate Assistants (Graders)

Bilal Al-Ahmad
Khalid Alemerien
Rahaf Barakat
Feng Chang
Wen Cheng
Priyanka Dawar
Ping Hu
Zheng Huang
MD Faisal Kabir

Ravi Kolte
Hanzhe Li
Yang Lu
Zhou Lu
Divya Muttineni
Kavitha Manjuath
Elizabeth Noel
Mourya Narasareddy
Sravan Narra

Aditya Nuthalpati	
Maryam Roudaki	

Yijun Wang	
Eshita Zaman	

**Spring 2015**Graduate Teaching Assistants –

Graduate Teaching Assistant	Course
Anurag Goswami	CSCI 114
Priyanka Dawar	CSCI 114
Anurag Goswami	CSCI 114
Elizabeth Noel	CSCI 114
Janani Govindan	CSCI 114
Janani Govindan	CSCI 114
Ashraf Kamel	CSCI 116
Kavith Manjunath	CSCI 116
Eshita Zaman	CSCI 116
Rami Alroobi	CSCI 116
Chandima Fernando	CSCI 116
Chandima Fernando	CSCI 116

**Spring 2015**Graduate Assistants (Tutors)

Hanzhe Lu	CSCI 114
Yang Lu	CSCI 114
Bilal Al-Ahmad	CSCI 116
Kishlay Jha	CSCI 116
Vijay Gottimukkula	CSCI 160
Michael Schumacher	CSCI 160
Rajesh Subramaniam	CSCI 160
Feng Chang	CSCI 161
Shashi Kasam	CSCI 161
Mostofa Ahsan	CSCI 161
Priyanka Ghosh	CSCI 161
Damain Lampl	CSCI 445

**Spring 2015**Graduate Assistants (Graders)

Bilal Al-Ahmad
Wen Cheng
Ping Hu
Zheng Huang
MD Faisal Kabir
Hanzhe Li
Yang Lu
Zhou Lu
Kavitha Manjunath
Elizabeth Noel
Sravan Narra

Aditya Nuthalapati
Alekya Peruri
Yijun Wang
Sri Laitha Nuthulapti
Om Prakash Nekkanti
Harshada Chavan
Divya Gupta
Pranay Kumar
Madhumitha Kanajal
Bala Kishore Killada

### **GRADUATE STUDENTS 2014-2015**

### **Masters Students:**

Badu, Sadhana Mahabaleshwar.Mahesh

Battu, Babitha Manne, Priyanka

Bauer.Kevin Kaalz Mattaparthi, Sowjanya Bhattacharyya, Krittika Mesich, Bryan

Bouret, Megan Sue Moparthi, Rashmi Mucha.Nithisha **Bu**, Honggang

Chavan.Harshada Chandrakant Muttineni, Divya Dawar, Priyanka Myneedi, Anusha

Dinesh Singh,FNU Narasareddy Gari, Mourya Reddy

Narra, Sravan Raghu Kumar Durgapathi, Yashwanth Goud

Emamian, Peyman Nekkanti, Om Prakash Fernando, Warnakulasuriya Chandima Nuthalapati, Aditya

Param, Sowjanya Frovarp, Richard Ernest Gagganapalli, Srikanth R Peruri, Alekya K

Gaur, Himanshu Phadke, Swapna Gautam Qormosh,Bassam Mohammed Gautam.Nitendra

Ghosh, Priyanka Singh Rajan, Prateek

Reddy, Vijay Reddy Ginjala, Anisha Gottimukkula, Vijayachanderrao Roodaki, Maryam

Hu,Ping Roy, Arighna Jha, Kishlay Sen,Sourya Johnson, Joseph Carl Shevkar, Rupali Kakarlapudi, Madhumitha Singh, Rajat

Soni, Gaurav Killada, Bala Venkata Rama Kishore Subramaniam, Rajesh

Kolte, Deepak Wang,Di Kolte, Ravi Xia,Gongyi Li, Hanzhe Xu,Xing Li,Shuhang Yang, Yingjie

Karnati. Yasvant Krishna

Lu,Zhou Zheng, Hailong Ma, Yongchao

### SOFTWARE ENGINEERING MASTERS/MSE PROGRAM

CERT: Amer, Wafaa CERT: Arstein, Diane CERT: Brown, Rance

Agrawal,Shilpi Ahmed,Syed

Bajwa,Muhammad Asad A Bischoff,Nancy Marie

Blair, Cody

Carlton, Bobby Allan

Chagonda, Arthur Tafadzwa

Debevec, Christopher J

Dennis,Noah Finn,Caitlin Helen Fleming,Janet R Gandhi,Harshada Garcia,Agatha Kelly

George, Joakim Jason Dylan

Heiser,Carolyn Rose Intekhab,Ahmed

Jaisi, Joel

Jones, Andrew Burkard

McIntyre,Scott Miller,Rebecca Jo Moudry,John Daniel Munowenyu,Joseph Nimmo,Eric James Niroula,Umanga

Parcham Azad, Kamrooz

CERT: Donoven, Brent CERT: Ladwig, Andrew CERT: Qiu, Chengxiang

Patterson, Dale Jay

Pietrowski, Todd Michael Poindexter, James Leslie

Rindfleisch,Joel S Sahajwani,Zubeen Selimovic,Migdad Shakya,Yunesh

Shanahan, Forest John

Shrestha,Ujjwal Singh,Sandeep Snell,Christopher Soni,Pratima Srivastava,Arpit

Summey,Ryan Richard Swedenburg,Jacob Vasilyev,Andrey Vinta,Naveen Reddy

Yericherla, Hebsibha Dimple Dayana

### SOFTWARE ENGINEERING MASTERS PROGRAM

7

Agarwal,Abhishek
Agarwal,Palak
Arora,Amit
Bhurale,Lohit
Chang,Feng
Chhina,Ramneet Singh

Manjunath,Kavitha
Mehta,Puneet
Noel,Elizabeth Joan
Nuthulapati,Sri Lalitha
Pachaiyappan,Sathya
Patel,Parita

Chhina,Ramneet Singh Patel,Parita
Christeson,Eric John Pranay Kumar,FNU

Govindan Kamalanathan, Janani Rashid, Rumana
Grant, James Kelly Rastogi, Aakanksha
Gupta, Divya Sathiaseelan, Anuevelyn

Guthi,Sai Anusha Sharma,Aditi Harikrishnan,Deepthi Sharma,Rahul

Hassan,Ammro Salem Salem
Sijapati,Cady Jermaine
Hegde,Shishir S
Simley,Judi Lynn
Huang,Zheng
Singh,Abhinav
Singh,Ashish Kumar
Kamel,Ashraf Ahmed
Stone,Jason Blackwood

Kanajal Chandrakanth, Spoorthy Sun, Liren

Kasam,Shashi Kanth
Syed,Naveed Ahmed
Limke,Jed Patrick
Tripathi,Snnahill
Lu,Yang
Wang,Yijun

### **PhD STUDENTS:**

Ahsan, Mostofa K Kambhampaty, Krishna Kanth

Alroobi,Rami Konar,Prosenjit
Borchert,Otto Jerome Kotala,Pratap
Chakravarthi,Satheesh Lampl,Damian Jay

Chatterjee, Arijit Loree, Paul E Cheng, Wen Roy, Arjun Chitraranjan, Charith Seetan, Raed Chowdhury, Md Minhaz Singh, Maninder

Dass,Pranav
Sun,Qing
Dawar,Deepak
Sweet,Joshua J
Du,Yang
Zaman,Eshita

Goparaju, Aditya Praneeth Zaman, Nazia
Hossain, Mohammad

Kabir, MD Faisal

### **SOFTWARE ENGINEERING PHD**

Aceituna, Daniel Eda, Madhusudana Ravi

Agrawal, Tushar Goswami, Anurag

Al-Ahmad,Bilal Ibrahim Haug,Frank Sigvald Altahlawi,Amro Henson,Michael Joe

Anderson,Jeffrey Ryan Hettiarachchi,Charitha S Anu,Vaibhav Kumar Higgs,Dewayne Joe

Asgar, Talukdar Khan, MD Mahbubur Rahman

Attaallah, Abdulaziz Ahmad Radermacher, Alex D

Barakat,Rahaf Tomer,Avijeet
Chen,Min Williams,Robert C

### **Computer Science Department Enrollment Data**

						<b>Total Degrees</b>			
	En	rollme	nt Fall 20	14			Fall	14/Spring	2015
					Total	Total		MS	PhD
AY	1st FR	2nd SO	3rd JR	4th SR	UG	Grad	BS/BA	Comp Sc. Software	Comp Sc. Software
2014 - 2015	79	89	76	100	344	199	28/7	11/11	1/3
2013 - 2014	85	77	79	80	321	201	41/4	25/18	5/3
2012 - 2013	82	65	54	95	296	209	76/7	30/5	4/0
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

# **Graduate Degrees Awarded, 2014-2015**

Summer Semester, 2014	Degree				
Brazier, Tyler	MS				
MD Chowdhury	MS				
Fonseka, Nilukshi	MS - SE				
Kolluru, Sunil	MS				
Rehman, Sana	MS				
Alenezi, Mamdoubh	PHD - SE				
Bajracharya, Nooresh	MSE - SE				
Gurram, Samyuktha	MSE - SE				
Kumar, Mukesh	MSE - SE				
Sheoran, Deepak	MSE - SE				
Fall Semester, 2014	Degree				
Annadi, Ramakanth	MS				
Zheng, Songtao	MS				
Shrestha, Sarjan	MS				
Ahmed, Syed Kutub Uddin	MS				
Madamanchi, Devi	MS				
Sen, Souvik	MS				
Poudyal, Abhaya	MS - SE				
Gebremariam, Alemayehu	MS - SE				
Karan, Chitkara FNU	MS - SE				
Abeyratne, Keith	MS - SE				
Puri, Rahul	MS - SE				
Gautam, Pooja	MS - SE				
Alemerien, Khalid	PHD - SE				
Kim, Haram	MSE - SE				
Bawa, Navdeep	MSE - SE				
Gemuend, Thomas	MSE - SE				
Mishra, Nikita	MSE- SE				
Saharan, Santosh	MSE - SE				
Veeraganta, Sirisha	MSE - SE				
Spring Semester, 2015	Degree				
Valluru, Srikanth	MS				
Pachaiyappan, Sathya	MS - SE				
Rastogi, Aakanksha	MS - SE				
Syed, Naveed	MS - SE				
Wang, Yijun	MS - SE				
Seetan, Raed	PHD				
Aceituna, Daniel	PHD - SE				

Ahmed, Syed	MSE - SE
Munowenya, Joseph	MSE - SE
Niroula, Umanga	MSE - SE
Shakya, Yunesh	MSE - SE
Shrestha, Ujjwal	MSE - SE