College of Computing, Integrated Engineering & Technology

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Part One

**Learning
Lives
Forever**

I. CIET Mission & Goals

The mission of the College of Computing, Integrated Engineering, and Technology (CIET) is to provide a learning-centered environment that enables students to achieve their academic goals and to compete on a global level for careers in government, industry, secondary education, and acceptance to graduate school. The college provides programs in computer science, engineering, information systems, mathematics, technology, and interdisciplinary studies. The curricula are rich with opportunities for students to develop a sound understanding of fundamental as well as specialized theories, practices, and ethics that enhance their learning. The faculty of CIET is committed to providing high-quality education, individual guidance and assistance to students, and helping them grow intellectually, professionally, and personally while pursuing their academic goals.

II. Vision

The College of Computing, Integrated Engineering, and Technology will be globally renowned for its excellence in education and scholarship within all of its comprehensive disciplines, ultimately becoming a role model for other institutions. To accomplish this the college will:

⁎ access government and private resources, which provide funding for scholarly activity and student training
⁎ create and maintain partnerships with both national and international peer institutions
⁎ cultivate computer information systems, mathematics, engineering, and technology literacy in the general student population
⁎ develop venues for high school students to articulate credits to post-secondary programs
⁎ encourage and support faculty in t he development of new knowledge and technology in the areas represented by CIET
⁎ establish collaborative relationships with business, industry and professional organizations when providing students with practical experiences
⁎ integrate a foundation for opportunities of life-long learning and adaptation to a changing, multicultural and technology driven world
⁎ prepare regionally, nationally and globally competitive graduates actively sought by employers and post-bachelor institutions of higher learning
⁎ provide a learning environment, which incorporates the study of fundamentals, the understanding of applications and the experience of practical skills.

III. Programs

The College of Computing, Integrated Engineering, and Technology (CIET) offers Bachelor of Arts and Bachelor of Science Degrees in the following departments

Computer Science & Information Systems
    Computer Science Composite
    Computer Science Composite – Forensic Science Emphasis
    Information Systems

Integrated Engineering & Technology
> Construction Management Composite
> Engineering Technology Composite – CAD/CAM
>> Architectural/Civil Design Emphasis
>
> Engineering Technology Composite – CAD/CAM Emphasis
> Engineering Technology Composite – CAD/GIS Emphasis
> Engineering Technology Composite – Electronics and Computer Emphasis
> Integrated Engineering Composite
> Technology Education Composite – career and Technical Emphasis

Mathematics
> Actuarial Science Emphasis
> Bioinformatics Emphasis
> Math Education Emphasis
> Pure Mathematics Emphasis

Associate of Applied Science Degrees

Computer Science & Information Degrees
> Information Technology with an emphasis in one of the following fields:
>> Computer and Information Systems Security
>> Information Technology
>> Networking/Telecommunications

Integrated Engineering & Technology
> CAD/CAM Technology
> Construction Technology
> Electronics Technology

Associate of Pre-Engineering Degree

Certificates
> Civil Drafting/CAD
> Construction Technology

Minors
> Computer Science (Non-Teaching)
> Computer Science Emphasis in Forensics
> Computer Science Emphasis in Teacher Education
> Information Systems (Non-Teaching)
> CAD/CAM Technology
> Construction Technology
> Electronics Technology
> Actuarial Mathematics
> Pure Mathematics
> Mathematics Education

Part Two

Faculty

**Learning
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Faculty/ Staff Roster

COLLEGE OF COMPUTING, INTEGRATED ENGINEERING AND TECHNOLOGY

Interim Dean	Eric Freden	freden@suu.edu	ELC 420	865 8298
Advisor	Sharon Brown	brownsh@suu.edu	TH 118	865 8702
Coordinator	Natalie Burden	burdenn@suu.edu	TH 116	865 8090

COMPUTER SCIENCE & INFORMATION SYSTEMS DEPARTMENT

Interim Department Chair	Rob Robertson	robertson@suu.edu	ELC 305	865 8560
Administrative Assistant	Karen Lopez	karenlopez@suu.edu	ELC 407	586 5405
	Florin Balasa	balasa@suu.edu	ELC 416	586 5473
	Nathan Barker	barkern@suu.edu	ELC 410	586 5415
	Michael Grady	gradym@suu.edu	ELC 417	586 7903
	Laurie Harris	laurieharris@suu.edu	ELC 205	586-7905
	Shalini Kesar	kesar@suu.edu	ELC 414	865 8029
	Connie Nyman	nyman_c@suu.edu	ELC 412	586 5411
	Nasser Tadayon	tadayon@suu.edu	ELC 413	865 8634
	Dezhi Wu	wu@suu.edu	ELC 415	865 8399

ENGINEERING TECHNOLOGY & CONSTRUCTION MANAGEMENT DEPARTMENT

Department Chair	Scott Hansen	hansens@suu.edu	TH 129A	586 7984
Administrative Assistant	Daun Young	youngd@suu.edu	TH 129	586 7977
	Richard Cozzens	cozzens@suu.edu	TH 122	586 7983
	Matthew Edwards	edwardsm@suu.edu	TH 124	865 8115
	Boyd Fife	fife@suu.edu	TH 121	586 7978
	Roger Greener	greener@suu.edu	TH 101E	586 7987
	Dave Ward	ward@suu.edu	TH 131	586 7981

INTEGRATED ENGINEERING DEPARTMENT

Department Chair	Glen Longhurst	glenlonghurst@suu.edu	TH 128	586 7989
Administrative Assistant	Daun Young	youngd@suu.edu	TH 129	586 7977
	Roger Greener	greener@suu.edu	TH 101E	586 7987
	Thad Morton	thadmorton@suu.edu	TH 013	865 8343
	John Murray	murrayjm@suu.edu	TH 016	586 7908
	Desmond Penny	penny@suu.edu	TH 014	586 7708

MATHEMATICS DEPARTMENT

Department Chair	Seth Armstrong	armstrong@suu.edu	ELC 402	865 8059
Administrative Assistant	Robin Archibald	archibald@suu.edu	ELC 423	586-5448
	Saïd Bahi	bahi@suu.edu	SC 118	586 7907
	Jim Brandt	brandt@suu.edu	ELC 403	586 5454
	Sarah Brown	brown_s@suu.edu	SC 120	865 8173
	Walt Faucette	faucette@suu.edu	SC 211	865-8028
	Jianlong Han	han@suu.edu	ELC 408	586-5469
	Derek Hein	hein@suu.edu	ELC 418	586 7902
	Marty Larkin	larkin@suu.edu	ELC 309	586 1987
	Jana Lunt	janalunt@suu.edu	ELC 308	586-5472
	Gretchen Rimmasch	rimmaschg@suu.edu	ELC 421	586-5489
	Andreas Weingartner	weingartner@suu.edu	*sabbatical*	
	Cecilia Weingartner	weingartnerc@suu.edu	ELC 406	865 8611
	Chunlei Zhang	zhangc@suu.edu	ELC 401	865 8195

I. Degree Tenure

	Percent	With Doctorate	Without Doctorate	Total
Tenured	34%	8	3	11
Tenure-Track	50%	16	0	16
Non-Tenure-Track	16%	0	5	5
Total	**100%**	**24**	**8**	**32**
Faculty, Tenured & Tenure-Track		**13**		
Faculty with Doctorate:		75%		
Faculty without Doctorate:		25%		

III. Faculty Credentials

Seth Armstrong
Associate Professor of Mathematics
B.S. 1990, Brigham Young University, M.S. 1992, Brigham Young University, Ph.D. in Mathematics 1996, Utah State University.

Saïd Bahi
Associate Professor of Mathematics
B.S. 1979, M.S. 1980, Universite de Montpellier, France, Ph.D. in Applied Mathematics 1993, Michigan State University.

Florin Balasa,
Associate Professor of Computer Science
M.S. 1981, M.S. 1990, Ph.D. 1995 University of Bucharest, Ph.D. 1995, Katholieke Universiteit Leuven.

Nathan Barker,
Assistant Professor of Computer Science
B.A. 2002, Southern Utah University, Ph.D. 2007, University of Utah.

Jim Brandt
Assistant Professor of Mathematics
B.S. 1988, Marquette University; M.S. 1992, University of Utah, Ph.D.1995 Washington State University.

Sarah Brown
Assistant Professor of Mathematics
B.S. 1994 University of California Davis, M.S. 1999, Ph.D. in Mathematics 2004, Brigham Young University.

Richard Cozzens
Professional-in-Residence in CAD/CAM Engineering
B.S. 1989, Brigham Young University.

Matthew Edwards
Professional-in-Residence in Construction Management
B.S. 1997, Brigham Young University, M.S. 2001 Utah State University.

Walt Faucette
Assistant Professor NTT of Mathematics
B.A 1964, Adams State College, M.A. 1969, Arizona State University.

Boyd Fife
Assistant Professor of Construction Management
B.S. 1977, M.Ed. 1997, Southern Utah University.

Eric Freden
Associate Professor of Mathematics
B.A. 1988, Reed College, M.S. 1990, Portland State University, Ph.D. in Mathematics 1994, Brigham Young University.

Michael Grady
Associate Professor of Computer Science
M.A. 1989, Ph.D. 1992, University of California Santa Barbara.

Laurie Harris
Instructor of Information Systems
B.S. 1998, M.Ed., 2001, Southern Utah University.

Jianlong Han
Assistant Professor of Mathematics
B.S. 1988, Jilin University, P.R. China; M.S. 1991, Nankai University, P.R. China, Ph.D. 2005 Michigan State University.

Leo Scott Hansen
Associate Professor of CAD/CAM Technology
B.S. 1996, M.S. 1997, Northern Arizona University; Ph.D. 2000, University of Wyoming.

Derek Hein
Assistant Professor of Mathematics
B.S. 1994 & M.S. 1996 Mathematics Utah State University, Ph.D. in Mathematics 2000 Central Michigan University, Mount Pleasant, Michigan.

Shalini Kesar
Assistant Professor of Information Systems
B.A. 1990, University of Delhi, M.S. 1993, London School of Economics & Political Science, M. Phil 2002, DeMontfort University, Ph.D. 2005, University of Salford, UK.

Martha (Marty) Larkin
Associate Professor of Mathematics
B.S. 1973, Weber State University; M.S. 1975, Southern Connecticut State College; Ed.D. in Secondary Education and Curriculum 1983, Brigham Young University.

Glen Longhurst
Associate Professor of Engineering
B.S. 1968, M.S. 1970, Utah State University, Ph.D. 1978, Colorado State University.

Jana Lunt
Assistant Professor of Mathematics
B.A. 1996, M.A. 2000, Brigham Young University; Ph.D. 2010, Pennsylvania State University.

Thad Morton
Assistant Professor of Engineering
B.S. 1993 & Ph.D. 1997, Brigham Young University.

John Murray
Associate Professor of Engineering
B.S. 1970, M.S. 1970, University of Southern Florida; Ph.D. 1974, Clemson University.

Connie Nyman
Associate Professor of Information Systems
B. S. 1960 & M.S. 1977, Utah State University.

Desmond Penny
Professor of Engineering
B.S. 1971 & M.S. 1972, University College Cork; Ph.D. 1975, University of Utah.

Gretchen Rimmasch
Assistant Professor of Mathematics
B.S., M.S. 2003 & PhD. 2008, Brigham Young University.

Robert Robertson
Assistant Professor of Information Systems.
B. A. 1993, Portland State University, M.B.A. 1997 University of Portland, Ph.D. 2008 Nova Southeastern University.

Nasser Tadayon
Associate Professor of Computer Science
B.S. 1985, University of Sussex, England, M.S. 1988, University of Liverpool, England, Ph.D. 1998, University of Louisiana at Lafayette.

David Ward
Associate Professor of Electronics Engineering Technology
B.S. 1976, M.I.E. 1982, Brigham Young University.

Andreas Weingartner
Associate Professor of Mathematics
M.S. 1994, University of Salzburg; Ph.D. in Mathematics 1998, Brigham Young University.

Cecilia Weingartner
Lecturer of Mathematics
B.S. 1993 & M.S. 1997, Brigham Young University.

Dezhi Wu
Assistant Professor of Information Systems
M.S. in Information Systems 2001, & Ph.D. in Information Systems, New Jersey Institute of Technology, New Jersey, 2005.

Chunlei Zhang
Assistant Professor of Mathematics
B.S. 1992, M.S. 1995, Jilin University, P.R. China, Ph.D. 2006, Michigan State University.

IV. Quantitative Data

Department	Publications	Presentations	Course Preparations	Committees Served On		Grant Proposals Submitted		Grant Proposals Awarded	
				Dept	Other	FDG	Other	FDG	Other
CSIS	19	8	39	40	29	3	1	2	0
ET&CM	4	3	0	10	13	1	5	1	4
IE	5	6	0	16	6	1	2	1	2
Mathematics	7	6	54	21	30	4	1	4	1
Totals	*38*	*23*	*93*	*87*	*78*	*9*	*9*	*8*	*7*

V. Membership in Professional Organizations & Societies

Computer Science & Information Systems Department

American Mathematical Society (AMS)
Association for Career and Technical Education (ACTE)
Association for Information Systems (AIS)
Association of Computing Machinery (ACM)
Business and Professional Women's Clubs (BPW)
Certified Novell Engineer (CNE)
Certified Novell Instructor
Delta Kappa Gamma (DKG)
Delta Phi Epsilon (DPE)
Institute of Electrical & Electronics Engineers (IEEE)
Intellectbase International Consortium

Mathematical Association of America (MAA)
Microsoft Certified Systems Engineer (MCSE)
National Business Education Association (NBEA)
Phi Kappa Phi (PKP)
Special Interest Group In Information Systems for Electronic Government (SIG-EGOV)
Special Interest Group In Information Systems for Information Security (SIG-EGOV)
SUU Faculty Senate Association
Utah Association for Career and Technical Education (UACTE)
Utah Business & Computer Education Association (UBCEA)
Utah Shakespearean Guild
VFW Auxiliary
Western Business & Information Technology Educators (WBITE)

Engineering Technology & Construction Management Department

American Society of Professional Estimators
State of Utah General Contractors License
State of Utah Waste Water License
State of Utah Building Inspector (inactive)
Utah State Board of Education Building Trades President

Integrated Engineering Department

American Association for the Advancement of Science (AAAS)
American Association of Physics Teachers (AAPT)
American Association of University Professors
American Institute of Steel Construction (AISC)
American Society of Civil Engineers
American Society for Engineering Education
American Society of Engineering Education

Mathematics Department

American Mathematical Society (AMS)
Association of Mathematics Teacher Educators (AMTE)
Institute for Operations Research and Management Science
Institute of Combinatorics and its Applications (ICA)
Mathematical Association of America (MAA)
National Council of Teachers of Mathematics (NCTM)
Society of Industrial and Applied Mathematics (SIAM)
Mathematics Teacher Educators (UAMTE)
Phi Beta Kappa
Utah Coalition for Educational Technology (UCET)
Utah Council of Teachers of Mathematics (UCTM)
Society of Actuaries

VI. Teaching Effectiveness

CSIS Courses

Course			Number of Courses Taught			Students Enrolled				
Number	Description	Cr Hrs	2010F	2011S	Total	2010F	2011S	Total	Class AVG	SCH
CSIS 1000	Intro. To Computer Apps & Internet	3	23	20	**43**	731	666	**1397**	**32**	4191
CSIS 1010	E-Commerce/Global Society	3	2	2	**4**	51	71	**122**	31	366
CSIS 1040	Into. To Programming w/MatLab	3	0	1	**1**	0	32	**32**	32	96
CSIS 1400	Fundamentals of Programming	3	2	2	**4**	60	59	**119**	30	357
CSIS 1410	Object Oriented Programming	3	1	1	**2**	16	27	**43**	22	129
CSIS 2000	Web Development	3	1	1	**2**	27	17	**44**	22	132
CSIS 2010	Computer Applications	3	2	2	**4**	64	58	**131**	33	393
CSIS 2420	Intro to Algs. and Data Struct.	3	1	0	**1**	24	0	**24**	24	72
CSIS 2600	Data Communications &Networking	3	0	1	**1**	0	32	**32**	32	96
CSIS 2620	Network Administration I	3	1	0	**1**	9	0	**9**	9	27
CSIS 2670	Information Security & Assurance	3	0	1	**1**	0	7	**7**	7	21
CSIS 2810	Computer Org. & Architecture	3	0	1	**1**	0	22	**22**	22	66
CSIS 3000	Advanced Algs. and Data Struct.	3	0	1	**1**	0	10	**10**	10	30
CSIS 3050	Environments of Info Systems	3	1	0	**1**	11	0	**11**	11	33
CSIS 3100	Systems analysis and Design	3	0	1	**1**	0	26	**26**	26	78
CSIS 3150	C and C++ Programming	3	1	0	**1**	6	0	**6**	6	18
CSIS 3200	Database Design & Management	3	1	0	**1**	34	0	**34**	34	102
CSIS 3400	Graphics Programming	3	1	0	**1**	11	0	**11**	11	33
CSIS 3550	Found of Computational Theory	3	0	1	**1**	0	5	**5**	5	15
CSIS 3600	Operating Systems	3	0	1	**1**	0	23	**23**	23	69
CSIS 3650	Network Security	3	1	0	**1**	23	0	**23**	23	69
CSIS 3660	Network Design & implementation	3	0	1	**1**	0	9	**9**	9	27
CSIS 3700	Computer Forensics	3	1	0	**1**	18	0	**18**	18	54
CSIS 4540	Human-Computer Interfaces	3	0	1	**1**	0	27	**27**	27	81
CSIS 4700	Internet Forensics & Cyber Security	3	0	1	**1**	0	11	**11**	11	33
CSIS 4800	CS Capstone Project	3	0	1	**1**	0	8	**8**	8	24
CSIS 4810	IS Capstone Project	3	0	1	**1**	0	9	**9**	9	27
CSIS 4890	Internship	1-9	1	1	**2**	3	6	**9**	5	24
EET 2750	PC Hardware	3	1	1	**2**	26	29	**55**	28	165
MATH 1630	Discrete Mathematics	3	0	1	**1**	0	30	**30**	30	90
TOTALS			**41**	**44**	**85**	**1114**	**1184**	**2307**	**20**	**6918**

Engineering Technology & Construction Management Courses

Number	Description	Cr Hrs	2010F	2011S	Total	2010F	2011S	Total	Class AVG	SCH
	Course		**Number of Courses Taught**			**Students Enrolled**				
CCET 1010	Engineering Tech Graphics	3	1	1	**2**	20	25	**45**	23	135
CCET 1030	Intro to CAD/CAM 3D Design	3	1	1	**2**	18	29	**47**	24	141
CCET 1040	Computer Aided Design	3	1	2	**3**	29	43	**72**	24	216
CCET 2620	3D Design	3	2	0	**2**	38	0	**38**	19	144
CCET 2650	Mechanical Blueprint Reading	2	1	0	**1**	20	0	**20**	20	40
CCET 3610	Architectural Design	3	1	0	**1**	31	0	**31**	31	93
CCET 3630	Fundamentals of CATIA	3	1	0	**1**	28	0	**28**	28	84
CCET 3670	Civil Design	3	0	1	**1**	0	33	**33**	33	99
CCET 3680	CNC Design	3	1	0	**1**	30	0	**30**	30	90
CCET 4600	Engineering Design	3	0	1	**1**	0	27	**27**	27	81
CCET 4610	Advanced Application in CATIA	3	0	1	**1**	0	26	**26**	26	78
CCET 4690	CNC Software and Application	3	0	1	**1**	0	18	**18**	18	54
CCET 4960	Senior Project	3	1	1	**2**	1	9	**10**	5	30
CM 1290	Electrical Systems	3	0	1	**1**	0	12	**12**	12	36
CM 2000	Statics/Construction Management	2	0	0	**0**	0	0	**0**	0	0
CM 2010	Framing Systems	3	1	0	**1**	22	0	**22**	22	66
CM 2015-01	Framing Systems Lab	2	2	0	**2**	21	0	**21**	11	42
CM 2050	Concrete and Masonry	3	1	0	**1**	16	0	**16**	16	48
CM 2055	Concrete and Masonry Lab	2	2	0	**2**	16	0	**16**	8	32
CM 2100	Finishing Systems	3	0	1	**1**	0	17	**17**	17	51
CM 2105	Finishing Systems Lab	2	0	0	**0**	0	16	**16**	16	32
CM 3240	Estimating and Bidding	3	0	1	**1**	0	29	**29**	29	87
CM 3270	Building Codes	3	1	0	**1**	17	0	**17**	17	51
CM 3650	Residential Drafting	3	0	1	**1**	0	29	**29**	29	87
CM 2880	Scheduling and Cost Control	3	1	0	**1**	9	0	**9**	9	27
CM 4400	HVAC/Plumbing Design	3	0	1	**1**	0	21	**21**	21	63
CM 4405	HVAC/Plumbing Design Lab	1	0	1	**1**	0	21	**21**	21	21
CM 4830	Reading and Conferences	0	1	2	**3**	2	5	**7**	2	0
EET 1700	Circuit Analysis 1	3	1	0	**1**	13	0	**13**	13	39
EET 1730	Electronic Devices	3	1	0	**1**	16	0	**16**	16	48
EET 2700	Circuit Analysis 2	3	0	1	**1**	0	9	**9**	9	27
TOTALS		**83**	**21**	**18**	**39**	**347**	**369**	**716**	**19**	**2012**

Integrated Engineering Courses

Course			Number of Courses Taught			Students Enrolled				
Number	Description	Cr Hrs	2010F	2011S	Total	2010F	2011S	Total	Class AVG	SCH
ENGR 1010	Engineering in 21st Century	3	3	2	**5**	79	61	**140**	18	420
ENGR 1030	Computer Assisted Drafting	3	2	1	**3**	38	29	**67**	12	201
ENGR 2010	Statics	3	1	0	**1**	25		**25**	25	75
ENGR 2030	Dynamics	3	0	1	**1**	0	19	**19**	19	57
ENGR 2140	Strength of Materials	3	0	1	**1**	0	21	**21**	21	63
ENGR 2145	Strength of Materials Lab	1	0	2	**2**	0	22	**22**	11	22
ENGR 2240	Plane Surveying & GPS	2	1	0	**1**	33	0	**33**	33	66
ENGR 2245	Plane Surveying & GPS Lab	1	1	0	**1**	33	0	**33**	33	33
ENGR 2270	Electro-Mechanical Systems	3	0	1	**1**	0	15	**15**	15	45
ENGR 2275	Electro-Mechanical Systems Lab	1	0	1	**1**	0	14	**14**	14	14
ENGR 3000	Thermodynamics	3	1	0	**1**	9	0	**9**	9	27
ENGR 3010	Material Science Engineering	3	1	0	**1**	4	0	**4**	4	12
ENGR 3015	Material Science Engineering Lab	1	1	0	**1**	4	0	**4**	4	4
ENGR 3045	Engineering Design Lab 1	2	1	0	**1**	5	0	**5**	5	10
ENGR 3050	Fluid Mechanics	3	0	1	**1**	0	4	**4**	4	12
ENGR 3055	Fluid Mechanics Lab	1	0	1	**1**	0	3	**3**	3	3
ENGR 3095	Engineering Design Lab 2	3	0	1	**1**	0	4	**4**	4	12
ENGR 3240	Advance Surveying	2	0	1	**1**	0	23	**23**	23	46
ENGR 3245	Advance Survey Lab	1	0	1	**1**	0	23	**23**	23	23
ENGR 4000	Mechatronics	3	0	1	**1**	0	3	**3**	3	9
ENGR 4005	Mechatronics Lab	2	0	1	**1**	0	4	**4**	4	8
ENGR 4010	Heat Transfer	3	1	0	**1**	12	0	**12**	12	36
ENGR 4025	IE Design Lab I	3	1	0	**1**	12	0	**12**	12	36
ENGR 4030	Electronics	3	1	0	**1**	5	0	**5**	5	15
ENGR 4035	Electronics Lab	1	1	0	**1**	4	0	**4**	4	4
ENGR 4050	Structural Analysis	3	1	0	**1**	7	0	**7**	7	21
ENGR 4060	Manufacturing	3	1	0	**1**	14	0	**14**	14	42
ENGR 4085	Integrated Engineering Design Lab 2	3	0	4	**4**	0	10	**10**	3	30
ENGR 4830	Readings and Conferences	1 to 4	1	1	**2**	2	1	**3**	1	
ENGR 4890	Internship	1 to 9	1	0	**1**	1	0	**1**	1	
TOTALS		**66**	**20**	**21**	**41**	**284**	**256**	**543**	**12**	**1346**

Mathematics Courses

Course			Number of Courses Taught			Students Enrolled				
Number	Description	Cr Hrs	2010F	2011S	Total	2010F	2011S	Total	Class AVG	SCH
MATH 1010	Intermediate Algebra	5	8	7	**15**	363	327	**690**	46	3450
MATH 1020	College Mathematics	5	3	2	**5**	105	78	**183**	37	915
MATH 1030	Quantitative Reasoning	4	3	4	**7**	149	115	**264**	38	1056
MATH 1040	Introduction to Statistics	4	5	6	**11**	237	237	**474**	43	1896
MATH 1050	College Algebra	4	8	7	**15**	339	272	**611**	41	2444
MATH 1060	Trigonometry	3	3	3	**6**	130	112	**242**	40	726
MATH 1100	Business Calculus	3	1	1	**2**	33	45	**78**	39	234
MATH 1210	Calculus I	4	3	3	**6**	125	119	**244**	41	976
MATH 1220	Calculus II	4	1	3	**4**	47	80	**127**	32	508
MATH 1630	Discrete Mathematics	3	1	1	**2**	21	31	**51**	26	153
MATH 2010	Math Elementary Teachers I	3	1	1	**2**	41	38	**79**	40	237
MATH 2020	Math Elm/Middle Teachers II	3	1	1	**2**	21	30	**51**	26	153
MATH 2040	Business Statistics	4	4	2	**6**	115	49	**164**	27	656
MATH 2210	Calculus III	4	1	1	**2**	33	24	**57**	29	228
MATH 2270	Linear Algebra	3	1	1	**2**	37	34	**71**	36	213
MATH 2280	Differential Equations	3	0	1	**1**	0	44	**44**	44	132
MATH 3120	Fndtns Algebra and Analysis	3	1	0	**1**	20	0	**20**	20	60
MATH 3130	Foundations of Geometry	3	0	1	**1**	0	12	**12**	12	36
MATH 3140	History of Mathematics	3	0	0	**0**	0	0	**0**	0	0
MATH 3500	Actuarial Mathematics	3	0	0	**0**	0	0	**0**	0	0
MATH 3700	Probability and Statistics	5	1	0	**1**	39	0	**39**	39	195
MATH 3770	Mathematical Modeling	3	0	1	**1**	0	11	**11**	0	33
MATH 3800	Partial Differential Equations	4	0	0	**0**	0	0	**0**	0	0
MATH 4220	Abstract Algebra	4	0	1	**1**	0	19	**19**	19	76
MATH 4340	Topology	3	1	0	**1**	5	0	**5**	5	15
MATH 4400	Advanced Calculus I	4	1	0	**1**	15	0	**15**	15	60
MATH 4410	Advanced Calculus II	3	0	1	**1**	0	5	**5**	5	15
MATH 4580	Complex Analysis	3	0	1	**1**	0	10	**10**	0	30
MATH 4830	Reading and Conferences	1	0	0	**0**	0	0	**0**	0	0
MATH 4900	Methods Teach Sec Sch Math	3	1	0	**1**	16	0	**16**	16	48
MATH 4980	Student Teaching	2	1	1	**2**	6	6	**12**	6	24
MATH 4990	Capstone Seminar	3	0	1	**1**	0	6	**6**	0	18
TOTALS		**109**	**50**	**51**	**101**	**1897**	**1703**	**3600**	**36**	**14587**

VII. Student Evaluation Questions

Q1 - Course objectives were clearly defined.
Q2 - Grading and evaluation system were clearly states.
Q3 - Tests/evaluations were based on materials presented or assigned in the course.
Q4 - Instructor gave feedback about assignments.
Q5 - Instructor promoted an effective learning atmosphere with well organized presentations/activities/discussions.
Q6 - Instructor used examples or demonstrated applications of subject matter.
Q7 - Instructor provided individual help when requested.
Q8 - Instructor showed respect for students' questions and opinions.
Q9 - Overall, the instructor demonstrated effective teaching.
Q10 - This course was useful in helping me acquire new knowledge, skills, or abilities.

Fall 2010 & Spring 2011 - Evaluation		Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	AVG
CSIS	995	87	86	87	79	81	84	85	85	82	83	84
ET&CM	256	87	86	89	86	86	89	89	90	89	87	88
IET	251	87	84	88	82	82	91	89	92	83	86	86
Math	1735	84	85	82	77	79	81	83	82	79	80	81
Total Responses & Question Average	**3237**	**86**	**85**	**87**	**81**	**82**	**86**	**86**	**87**	**83**	**84**	**85**

Part Three

Scholarly Activity

I. Publications

• <u>Seth Armstrong</u>
Numerical Analysis for a Nonlocal Phase Field System, Armstrong, S., Brown, S., and Han, J., *International Journal of Numerical Analysis & Modeling,* Series B, Vol. 1, No. 1, pp. 1-19, September 2010.

•<u>Saïd Bahi</u>
Dimensions of Quality in Teaching and Higher Education: Students' and Faculty Perception, Ahmad, A. and Bahi, S. (2010), *Review of Business Research,* 10(3), pp. 128-137.

• <u>Florin Balasa</u>
Signal Assignment Model for the Memory Management of Multidimensional Signal Processing Applications, Balasa, F., Luican, I.I., Zhu, H., and Nasui, D.V., "Special Issue on Design and Implementation," *The Journal of Signal Processing Systems*, Springer, Vol. 63, No. 1, pp. 51-65, April 2011.

• <u>Nathan Barker</u>
Learning Genetic Regulatory Network Connectivity from Time Series Data, Barker, N., Myers, C., and Kuwahara, H., *IEEE/ACM Transactions on Computational Biology and Bioinformatics,* Vol. 8, No. 1, pp. 152-165, January-March 2011.

•<u>Jim Brant</u>
Cue up Procedural Skills, Brandt, J. and Rimmasch, G., *Utah Mathematics Teacher,* Vol. 4, Iss. 2, pp. 8-12, Spring-Summer 2011.

• <u>Sarah Brown</u>
Numerical Analysis for a Nonlocal Phase Field System, Armstrong, S., Brown, S. and Han, J., *International Journal of Numerical Analysis & Modeling,* Series B, Vol. 1, No. 1, pp. 1-19, September 2010.

• <u>Richard Cozzens</u>
SolidWorks Web-Based Curriculum, *Utah Career and Technical Education Conference,* Richfield, UT, June 27, 2011.

• <u>Boyd Fife</u>
Barney, S., Kirk, R. and Fife, B., (2011), **Interdisciplinary International Service-Learning: The Story of our Success,** In Miller, R. L., Amsel, E., Kowalewski, B., Beins, B., Keith, K., and Peden, B. (Eds.), (2011). *Promoting Student Engagement, Volume 1: Programs, Techniques and Opportunities.* Syracuse, NY: Society for the Teaching of Psychology. Available from: http://www.teachpsych.org/teachpsych/pnpp/.

• <u>Eric Freden</u>
Growth in Baumslag-Solitar groups I: Subgroups and Rationality, Freden, E., Knudson-Cawley, T., and Schofield, J. (2011), *London Mathematical Society Journal of Computation & Mathematics,* Vol. 14, pp. 34-71.
Designing an iPad Application for Patient Education, Wu, D., Robertson, R., Tucker, B., *Proceedings of the International Conference of ISOneWorld,* Las Vegas, NV, May 2011.

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• <u>Michael Grady</u>
Functional Programming using JavaScript and the HTML5 Canvas Element, *Journal of Computing Sciences in Colleges,* Vol. 26, Iss. 2, pp. 97-105, December 2010.

• <u>Jianlong Han</u>
Numerical Analysis for a Nonlocal Phase Field System, Armstrong, S., Brown, S., and Han, J., *International Journal of Numerical Analysis & Modeling,* Series B, Vol. 1, No. 1, pp. 1-19, September 2010.

• <u>Scott Hansen</u>
Learning and Applying SolidWorks, 2010-2011 with *Industrial Press* in August 2010. ISBN 9780831134204.

• <u>Derek Hein</u>
Sarvate-Beam Triple Systems for v=5 and v=6 (with P. C. Li), *Journal of Combinatorial Mathematics and Combinatorial Computing*, Accepted; to appear in August 2011.

• <u>Shalini Kesar</u>
E-government Implementation Challenges at Local Level: a Comparative Study of Government and Citizens' Perspectives, Kesar, S. and Jain, V. (2011), *Electronic Government, an International Journal,* Vol. 8, Iss. 2/3, pp. 208-225.
Introducing Students to Real Cases in Information Security: Enhancing Teaching Effectiveness, *Proceedings of the 14th Annual American Association of Behavioral and Social Sciences Conference,* Las Vegas, NV, February 2011.
Lessons Learnt from Management of Information Security, *Proceedings of the 14th Annual American Association of Behavioral and Social Sciences Conference,* Las Vegas, NV, February 2011.
Electronic Government and Cybercrime, *International Journal of Technology Transfer and Commercialization,*June 2011.

• <u>John Murray</u>
Across the Divide: An Expedition into the American West, Murray, J., *American Society for Engineering Education Region IV Conference Proceedings,* on CD, Rapid City, SD, April 2011.

• <u>Connie Nyman</u>
Effect of Technology in Computer Literacy Course, Tadayon, N., Nyman, C., and Barker, N., *2010 International Conference on Frontiers in Education: Computer Science and Computer Engineering,* Las Vegas, NV, July 2010.

• <u>Des Penny</u>
Ares Transportation Technologies Assistive Drive System Supplementary Engineering Analysis, (2nd author), *Grant Report*. Oct 22, 2010.

• <u>Rob Robertson</u>
 Designing an iPad Application for Patient Education, Wu, D., Robertson, R., Tucker, B., Mitchell, E.R., and Freden, E., *Proceedings of the International Conference of ISOneWorld,* Las Vegas, NV, May 2011.

• Nasser Tadayon

 Effect of Technology in Computer Literacy Course, Tadayon, N., Nyman, C., and Barker, N., *2010 International Conference on Frontiers in Education: Computer Science and Computer Engineering,* Las Vegas, NV, July 2010.

• Dave Ward

CPLDs—Part 1: An Introduction, *SERVO Magazine,* March 2011.
CPLDs—Part 2: Graphical Programming of a CPLD, *SERVO Magazine,* April 2011.
CPLDs—Part 3: Simulating a Digital Design, *SERVO Magazine,* May 2011.
CPLDs—Part 4: HDL Programming, *SERVO Magazine,* June 2011.

• Andreas Weingartner

On a Conjecture of Adiga and Ramaswamy, Weingarnter, A., (2011), *International Journal of Mathematical Analysis,* Vol. 5, No. 22, pp. 1063-1066.
On the Solutions of _(n) = _(n + k), Weingartner, A., (2011), *Journal of Integer Sequences,* Vol. 14, Article 11.5.5.

• Dezhi Wu

Acceptance of Educational Technology: Field Studies of Asynchronous Participatory Examinations, Wu, D., Hiltz, S.R., and Bieber, M. (2010), *Communications of the Association for Information Systems (CAIS),* Vol. 26, No. 21, pp. 451-476.
Using Knowledge-Based Taxonomies to Understand Time Management Strategies: Implications for Knowledge-Intensive Organizations, Wu, D. and Passerini, K., *Proceedings of 5th International Forum on Knowledge Asset Dynamics,* Matera, Italy, Summer 2010.
Incorporating Temporal Structure Components to Electronic Temporal Coordination Systems, Wu, D. and Ngugi, B., *Proceedings of the 16th Americas Conference on Information Systems (AMCIS 16),* Lima Peru, August 2010.
Knowledge Perspectives in Projects: Understanding the Role of Time, Wu, D. and Passerini, K., *Proceedings of the Annual Northeast Decision Sciences Institute (NEDSI),* Montréal, Canada, April 2011, (Nominated for Best Paper).
Designing an iPad Application for Patient Education, Wu, D., Robertson, R., Tucker, B., Mitchell, E.R., and Freden, E., *Proceedings of the International Conference of ISOneWorld,* Las Vegas, NV, May 2011.

• Chunlei Zhang

Vanishing Electron Mass Limit in the Bipolar Euler-Poisson System, Zhang, C., Chen, L. and Chen, X., *Journal of Nonlinear Analysis: Real World Applications,* August 2010.

II. Presentations/Conferences

• Seth Armstrong
Numerical Analysis for a Nonlocal Phase Field System, *Intermountain Section Mathematical Association of America (MAA) meeting,* Cedar City, UT, April 8-9, 2011.

•Saïd Bahi
Robust Parameter Estimation with Bounded Perturbation, *Intermountain Section Mathematical Association of America (MAA) meeting,* Cedar City, UT, April 8-9, 2011.

•Nathan Barker
Effect of Technology in Computer Literacy Courses (co-author*): Worldcomp'10 (FECS'10) Conference***; 12-15 July 2010, Las Vegas, NV. (paper was accepted as a Regular Research Paper for publication in the proceedings and oral formal presentation)
Skills USA; 21-26 June 2010
Worldcomp '10 (FECS '10); 12-15 July 2010
McGraw-Hill Computer Information Technology Symposium; 17-19 February 2011

•Jim Brant
Assessing Active Learning Strategies in Teaching Equivalence Relations, *14th Annual Conference on Research in Undergraduate Mathematics Education,* Portland, OR, February 2011.
Comparing Strategies in Teaching Equivalence Relations, *Intermountain Section Mathematical Association of America (MAA) meeting,* Cedar City, UT, April 8-9, 2011.

•Sarah Brown
Numerical Analysis for the Relaxation of a Nonlocal Allen Cahn Equation, *Intermountain Section Mathematical Association of America (MAA) meeting,* Cedar City, UT, April 8-9, 2011.

•Richard Cozzens
SolidWorks Web-Based Curriculum, *Utah Career and Technical Education Conference,* Richfield, UT, June 27, 2011.

•Matt Edwards
Conference for Applied Research and Technology (CARRAT Seminar), April, 2011

•Eric Freden
From Indexed Languages to Generating Functions, Discrete Groups and Geometric Structures, with Applications IV(CGG VI), Oostende, Belgium, June 1, 2011.
From indexed languages to generating functions, *28th western Workshop in Geometric Topology,* May 23-25 Park City, UT.
From indexed languages to generating functions, *Intermountain Section Mathematical Association of America (MAA) meeting,* Cedar City, UT, April 8-9, 2011.
Counting, Formal Languages, and Generating Functions, *CARAT Seminar*, November 18 at SUU.

•Michael Grady
Functional Programming using JavaScript, *19th Annual Consortium for Computing Sciences (CCSC) in Colleges: Rocky Mountain Conference,* Fort Collins, CO, October 16, 2010.
•Jianlong Han
Numerical Analysis for a Lotka-Volterra Model Involving Three Species, *Intermountain Section Mathematical Association of America (MAA) meeting,* Cedar City, UT, April 8-9, 2011.

• Derek Hein
MAA Intermountain Section conference, *Intermountain Section Mathematical Association of America (MAA) meeting,* Cedar City, UT, April 8-9, 2011.

•Shalini Kesar:
Cybercrime: The Weakest Link in Electronic Government, *The LSPI-ILTC-IPLC Conference 2010,* Barcelona, Spain,November 2010.
LPI Conference; September 2010, Barcelona, Spain

• Marty Larkin
Iteration, Recursion, and Graph Theory Activities for the Discrete Mathematician, *Annual Utah Council of Teachers of Mathematics (UCTM) Conference,* Bountiful, UT,November 20, 2010.
Association of Mathematics Teacher Educators (AMTE), Jan 27-29, 2011, Irvine, CA.
Utah Association of Mathematics Teacher Educators (UAMTE), March 5, 2011, Provo, UT.
Utah Council of Teachers of Mathematics (UCTM), Nov 19-20, 2011, Orem, UT.
Mathematical Association of America (MAA), *Intermountain Section Mathematical Association of America (MAA) meeting,* Cedar City, UT, April 8-9, 2011.

•Glen Longhurst:
Technical Consultant Contract Pacific Northwest National Lab, *TMIST 3 Design Review,* Dec 14,2010 at Richland, WA.
In-Reactor Oxidation of Zircaloy and Surface-modified Zircaloy in Water Vapor at Low Partial Pressures (Co-Author) The Minerals, Metals, and Materials Society Annual Meeting, February 27, March 3, 2011, San Diego, CA.
SUU Walk N Roll Engineering Development Project, *Southern Utah Leadership Council,* May 17, 2011, St. George, UT.

• Jana Lunt
Association of Mathematics Teacher Educators (AMTE), January 27-29, Irvine, CA.
The Effects of Teacher Understanding of Addition and Subtraction Word Problems on Student Understanding, 11th *Annual Utah Association of Mathematics Teacher Educators (UAMTE),* Provo, UT, March 5, 2011.
MAA, *Intermountain Section Mathematical Association of America (MAA) meeting,* Cedar City, UT, April 8-9, 2011.

•<u>John Murray</u>

Scientific Evaluation and Simulation of the Six Mile Cypress Watershed, Murray, J., *Scientific report presented at SUU Biology seminar,* Cedar City, UT, March 3, 2011.
Ecological Engineering and The Restoration of Six Mile Cypress Slough 92nd Annual Meeting of the Pacific Division of AAAS University of San Diego, 12-16 June, 2011.
Across the Divide: An Expedition into the American West 92nd Annual Meeting of the Pacific Division of AAAS University of San Diego, 12-16 June, 2011

•<u>Connie Nyman</u>

Effect of Technology in Computer Literacy Courses; Worldcomp'10, July 12-15, 2010, Las Vegas, NV.

• <u>Gretchen Rimmasch</u>

Using Visual Cues in Teaching Computational Skills, *2011 Joint Mathematics Meetings (JMM),* New Orleans, LA, January 6-9, 2011.
Teaching Skills using Visual Cues, *Intermountain Section Mathematical Association of America (MAA) meeting,* Cedar City, UT, April 8-9, 2011.

•<u>Rob Robertson</u>

Virtualization in the Cloud Classroom, *14th Annual American Association of Behavioral and Social Sciences (AABSS),* Las Vegas, NV, February 2011.
Designing an iPad Application for Patient Education; ISOne World; May 4-6, 2011, Las Vegas, NV **American Association of Behavioral and Social Sciences;** February 11, 2011, Las Vegas, NV
ISOne World; May 4-6, 2011, Las Vegas, NV

•<u>Nasser Tadayon</u>

Time Test vs. Time Performance; WorldComp'11 (FECS'11); July 18-21, 2011, Las Vegas, NV
WorldComp '11; July 18-21, 2011, Las Vegas, NV.

• <u>Andreas Weingartner</u>

The Distribution Functions of _(n)/n and n/_(n), *Western Number Theory Conference,* Orem, UT, December 2010.
On Repeated Values of the Sum-of-Divisors Function, *Intermountain Section Mathematical Association of America (MAA) meeting,* Cedar City, UT, April 8-9, 2011.

•<u>Dezhi Wu</u>

Incorporating Temporal Structure Components to Electronic Temporal Coordination Systems; *The 16th Americas Conference on Information Systems (AMCIS)*; August 2010, Lima, Peru.

• <u>Chunlei Zhang</u>

Vanishing Electron Mass Limit in the Bipolar Euler-Poisson System, *Intermountain Section Mathematical Association of America (MAA) meeting,* Cedar City, UT, April 8-9, 2011.

III. Funded & Pending External Grants

•Shalini Kesar
USTAR (extension for phase II); Submitted to USTAR (Utah Science Technology and Research initiative), Awarded 2010-2011.
Discovery Home Project; Submitted to Global Home Grant, (Currently applying, 2011).

•Glen Longhurst
Walk N Roll USTAR Technology Commercialization Grant.
Trailer Assistive Drive Technology Commercialization Grant.

• Rob Robertson
Patient Education Software for iPad; Submitted to USTAR; Awarded in November 2011.

• Dezhi Wu
Portable Muli-Touch Patient Education Software; Submitted to USTAR Technology Commercialization Grant, accepted and awarded $39,000 on November 10, 2010.
Time Management Strategies for Knowledge Creation in Projects: Uncovering Patterns and Opportunities, Submitted to Project Management Institute on April 25, 2011; Grant for $50,000 is currently pending.

Part Four

Service

**Learning
Lives
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I. USHE/USOE Committees

• <u>Eric Freden</u>
   Regional Career & Technical Education Committee
• <u>Nasser Tadayon</u>
   USHE Business Computer Proficiency Task

II. University, College & Department Committees

• <u>Seth Armstrong</u>
  University Convocation Focus Group
  College   Curriculum Committee
  Department Curriculum Committee

• <u>Saïd Bahi</u>
  University University Program Review
        Institutional Effectiveness & Assessment Committee
  College   LRT - CSIS Department
  Department LRT
        Department seminar Coordinator

• <u>Nathan Barker</u>
  University University Judicial Committee
        Faculty Senate Member
  College   Faculty Center Committee Member
  Department Member of the CSIS Department Curriculum Committee
        Recruitment and Retention Committee
        ABET Committee
        Faculty Search Committee

• <u>Jim Brandt</u>
  University Undergraduate Curriculum Committee
        General Education Subcommittee
        Faculty Advisory Board for Leadership Engagement Center
  College   CIET College Curriculum Committee
  Department Math Department Curriculum Committee
        Textbook selection / Calculus
        Credit by Examination Committee

• <u>Sarah Brown</u>
  College   2010 Commencement Committee: CIET representative
        STEM Grant Proposal Committee
  Department Capstone Justification
        Web Liaison
        Math 1020-1030 Text Selection Committee
        Scholarship
        2011 MAA Intermountain Section Meeting Planning Committee
        STEM Grant Proposal Committee
        Math Club Webmaster

• Richard Cozzens
       College   Commencement Committee
                     Online Educational Subcommittee
                     Global Engagement Committee
                     Faculty Senate
                     Faculty Senate sub-committee (Academic Standards Review Board)
       Department   Technology Fair Committee

• Matt Edwards
       College   Curriculum Committee

• Walt Faucette
       Department   Search Committee
                     Textbook Selection Committee

• Boyd Fife
       University   Academic Affairs Committee
                     Outstanding Educators Selection Committee
                     Service Learning Committee
                     Faculty Senate
       Department   Curriculum Committee
                     Technology Fair Committee

• Eric Freden
       University   Institutional Effectiveness & Assessment
       College   Curriculum Committee (Chair)

• Michael Grady
       College   College Curriculum Committee
      Department   Curriculum Committee (Chair)
                     LRT Committee
                     Mathematics Department LRT Committee
                     IE Department LRT Committee

• Jianlong Han
       University   Advisory council for Center of Excellence for Teaching & Learning
                     Faculty Senate – Publication & Student Scholarship Award Committee
                     Bookstore Advisory Committee
                     Thunderbird Award selection Committee
       College   Supercomputer Committee
                     Center for Applied Research & Applied Technologies
       Department   Textbook Selection
                     Faculty advisor to the Math club

• Scott Hansen
       University   Faculty Incentive Grant Committee
       College   Recruitment and Retention Committee
       Department   Technology Fair Committee

- Derek Hein
University	Faculty Senate
	Convocations
	Press Editorial Board
College	Recruitment and Retention Committee
Department	Five-Column Assessment
	Textbook

- Shalini Kesar
University	International Recruitment Committee
	Member of Women's Leadership Committee
College	Recruitment & Retention
Department	ABET
	Chair of Search Committee
	Curriculum Committee

- Marty Larkin
University	Grievance Committee
College	LRT Committee - Chair
Department	Search Committee - Chair

- Glen Longhurst
College	ABET
	College Recruitment and Retention Committee
	Grade Appeal Committee
Department	Engineering Week Committee
	Curriculum Committee

- Jana Lunt
Department	Search Committee

- Thad Morton
College	Curriculum Committee
Department	ABET
	Engineering Week Committee
	LRT Committee

- John Murray
University	Women's Week Committee
College	Recruitment and Retention Committee
Department	ABET
	LRT Committee

- Connie Nyman
University	New Faculty Mentor
Department	LRT Committee
	Curriculum Committee
	ABET
	Search Committee

• <u>Des Penny</u>
      University   LRT Committee
      Department   ABET
                      Engineering Week Committee
                      Curriculum Committee
                      LRT Committee - Chair

• <u>Gretchen Rimmasch</u>
      University   Academic Computer User Committee
                      Faculty Evaluation and Development Committee
      College   Recruitment and Retention
      Department   Credit by Examination Committee
                      Text Selection
                      Teaching & Collegiality requirements

• <u>Robert Robertson</u>
      University   Health Insurance Committee
                      Distance Education Committee
                      UCSD Panel
                      Internship Coordinator Committee
      College   Curriculum Committee
      Department   Curriculum Committee
                      Web Liaison
                      Search Committee

• <u>Nasser Tadayon</u>
      University   Faculty Scholarly Support Fund Committee
      College   LRT Committee
      Department   Cohort Program
                      Curriculum Committee

• <u>Dave Ward</u>
      College   LRT Committee
                      CCIET Math / Search Committee
      Department   Curriculum Committee
                      Technology Fair Committee
                      Skills USA
                      Scholarship Committee

• <u>Dezhi Wu</u>
      University   Distinguished Faculty Lecture Committee
                      Library Committee
      College   Grade Appeal Committee
      Department   ABET Committee
                      Curriculum Committee
                      Research Committee
                      Search Committee

• <u>Chunlei Zhang</u>

University	UGRASP Grant Review Committee
	Internship Coordinator Committee
College	Curriculum Committee
Department	Curriculum Committee
	Search Committee
	Textbook Selection Committee

Part Five

Students

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I. Majors

CIET Majors			
	Female	Male	Totals
Computer Science	14	68	82
Information Systems	7	30	37
CSIS Dept Total	**21**	**98**	**119**
Construction Management & Engineering Technology	18	134	152
Integrated Engineering	11	94	105
IET Dept Total	**29**	**228**	**257**
Mathematics	11	29	40
Math Education	29	12	41
Math Dept Total	**40**	**41**	**81**
Total Majors	**90**	**367**	**457**

II. Graduates

CIET Graduates			
	Female	Male	Totals
Computer Science	2	9	11
Information Systems	1	5	6
CSIS Dept Total	**3**	**14**	**17**
Construction Management & Engineering Technology	6	38	44
Integrated Engineering	1	14	15
IET Dept Total	**7**	**52**	**59**
Mathematics	3	2	5
Math Education	7	4	11
Math Dept Total	**10**	**6**	**16**
University Studies	1	3	4
Studies Total	**1**	**3**	**4**
Total Graduates	**21**	**75**	**96**

III. Exit Exam Results

Integrated Engineering

Utah Fundamentals of Engineering Exam

For the 2010-2011 year 5 students passed and 5 failed.

Mathematics

Mathematics			Math Education		
Students	Raw Score	National Percentile	Students	Raw Score	National Percentile
1	155	45	1	155	45
2	175	80	2	155	45
3	196	95	3	137	10
4	172	80	4	172	80
			5	143	20
			6	161	60
			7	172	80
			8	164	65
			9	158	55
			10	120	1
			11	196	95
			12	149	35
			13	158	55
			14	149	35
			15	161	60
			16	152	40

IV. Achievements

College Valedictorian - Kyle Bodily

Outstanding Computer Science Student - Derek Higgs

Outstanding Information Student - James Shakespear

Outstanding CAD/CAM Student - Cory Bulloch

Outstanding Construction Management Student - Sherrena Young

Outstanding Electronics Engineering Student - Ammon Losee

Outstanding Integrated Engineering Student - Scott Bishoff

Outstanding Math Student - Brandon Wiggins

Outstanding Math Education Student - Jacob Whetman

Outstanding Actuarial Student - Rachel Beckham

Outstanding Staff - Roger Greener

Outstanding CSIS Faculty - Dezhi Wu

Outstanding ETCM Faculty - Matt Edwards

Outstanding IE Faculty - Des Penny

Outstanding Mathematics Faculty - Jim Brandt

Skills USA State Competition, March 24 & 25, 2011 - 1st Place – Andrew Ackerman

Skills USA National Competition, June 20 - 25, 2011- Gold Medal - Trenten Dopp

Part Six

Industry Partners

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Computer Science & Information Systems

The CSIS department at SUU partners with local, regional, and global companies. These partnerships help provide students with exposure to:

- Real life projects in the classroom
- Potential employment opportunities after graduation
- Internships

Suh'dutsing Technologies, Inc.
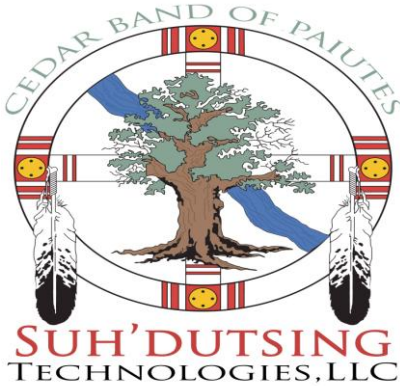
Suh'dutsing Technologies, LLC is a Tribally Owned 8(a), HUBZone, MBE certified, Small Disadvantaged Business. Suh'dutsing is Tribally Owned by the Cedar Band of Paiutes with current office locations including: Cedar City, UT; Washington, DC; Joplin, MO; and Union City, CA. Suh'dutsing's core focus is IT Services: ERP, E-Business Solutions, System Design and Integration, SOA, eGov, Project Management, Information Assurance, Customer Support, IT Helpdesk, Data Processing, Data Management, Data Warehousing, Web Development, Network Administration, and Telecommunication. We pride ourselves on our expertise, integrity, and strong customer-centric commitment. In addition, Suh'dutsing has a GSA Schedule 70 and is a SEI CMMI ML 2 rated company.

Semantic Discovery

Semantic Discovery is changing the way businesses interpret the web using semantic and statistical algorithms to enhance the value of data gathered from the web, blogosphere, message boards, and news feeds by organizing it into business intelligence such as sales leads, company directories, market research, competitor intelligence, and product enhancement. We are proud of our association with Southern Utah University to help attract high tech talent to Southern Utah and improve the education of students studying computer science.

IDT Services, LLC is a technology company specializing in state-of-the-art products and solutions for the transportation industry. IDT's breakthrough RFID/AEI systems have made it the leader in mainline rail RFID/AEI systems for North America.

TouchMD provides an interactive experience while educating patients in the exam room. TouchMD is the leading developer in educating patients, recording valuable information and allowing patients to revisit their diagnosis/solution on the internet. Our client and doctor input shape the future of our product and revolutionizes patient office visits. This development provides a great return on investment by saving time and closing more consultations.

Integrated Engineering

The IE department at SUU partners with local, regional, and global companies. These partnerships help provide students with exposure to:

- Real life projects in the classroom
- Potential employment opportunities after graduation
- Internships

Ares Transportation Technologies

ARES provides solutions at the cutting edge of advanced vehicle technologies offering a full line of Alternative Fuels systems technologies from CNG/Propane to Hydrogen to Kinetic Energy Recovery motive systems.

Walk N Roll, LLC.

WALK N ROLL™ is the name of a patented concept for a walking assist device. The WALK N ROLL™ was designed to help eliminate injuries that have become all too common with mobility devices.