The Computer Science Profession

Computer science is a discipline that involves the understanding and design of computers and computational processes. In its most general form it is concerned with the understanding of information transfer and transformation. Computer science is evolving rapidly and includes theoretical studies, experimental methods, and engineering design all in one discipline. In computer science there is an inherent intermingling of the theoretical concepts of computability and algorithmic efficiency with the modern practical advancements in electronics that continue to stimulate advances in the discipline. It is this close interaction of the theoretical and design aspects of the field that binds them together into a single discipline.

Because of the rapid evolution it is difficult to provide a complete list of computer science areas. Yet it is clear that some of the crucial areas are theory, algorithms and data structures, programming methodology and languages, and computer elements and architecture. Other areas include software engineering, artificial intelligence, computer networking and communication, database systems, parallel computation, distributed computation, computer-human interaction, computer graphics, operating systems, numerical and symbolic computation, and computer security.

A professional computer scientist must have a firm foundation in the crucial areas of the field and will most likely have an in-depth knowledge in one or more of the other areas of the discipline, depending on the person’s particular area of practice. Thus, a well-educated computer scientist should be able to apply the fundamental concepts and techniques of computation, algorithms, and computer design to a specific design problem. The work includes detailing of specifications, analysis of the problem, and providing a design that functions as desired, is reliable and maintainable, and meets desired cost criteria. Clearly, the computer scientist must not only have sufficient training in the computer science areas to be able to accomplish such tasks, but must also have a firm understanding in areas of mathematics and science, as well as a broad education in liberal studies to provide a basis for understanding the societal implications of the work being performed.

Equal Opportunity

The degree programs of the college and the professions they represent actively seek out women and under-represented minorities. Opportunities are unlimited and an increasing number are entering the professions.

Preparation and Admission

A statement of undergraduate and graduate admission requirements is included in the admissions portion of this catalog. A student may be admitted with less than the requirements listed, but the deficiency must be made up before he or she can progress very far in a college engineering course of study.

Students who contemplate entering the College of Engineering with advanced standing from other institutions should complete as many of the freshman and sophomore requirements listed in the curricula as possible. Calculus, chemistry and physics and the various introductory engineering courses are prerequisites to many advanced courses, and their omission may delay graduation.

Students from out-of-state institutions who wish to transfer to a degree program offered by the College of Engineering are invited to apply. Those who’s cumulative GPA is below 2.8 for all previous college-level courses,
including any courses taken at UI, may be admitted on approval of the College of Engineering Admissions Committee.

Admission to Classes
As a prerequisite to any upper-division course normally taken in the junior or senior year and offered by the College of Engineering, students in the College of Engineering must have completed selected courses from the required courses in chemistry, computer science, engineering, mathematics, and physics that are normally to be taken by them during their first two years, and must have attained a grade of C or better in each of those courses.

Scholarships and Awards
Many scholarships and awards are available to College of Engineering students and prospective students. See “Student Financial Aid Services” in the student service section.

Faculty
The faculty is the key to the quality of the engineering program. All faculty members in this college hold advanced engineering degrees and all but four hold the Ph.D. degree. Recognition in such publications as Who’s Who in America, Who’s Who in the West, Who’s Who in Engineering, and American Men and Women of Science is common.

A distinguishing feature of the faculty is a blend of academic and practical experience. Many faculty members have extensive experience in practice that they bring into the classroom, preserving a balance between theoretical and practical aspects of engineering.

Facilities
The facilities of the College of Engineering are among the finest in the country. Work is centered in the two-block-square engineering complex, which includes the Allen S. Janssen Engineering Classroom Building, the J. E. Buchanan Laboratory, the Gauss-Johnson Engineering Laboratory, McClure Hall, and the Engineering/Physics Building. These facilities are supplemented by biological engineering laboratories at other locations on the campus. In total, more than 250,000 square feet of floor space is used by the College of Engineering. Laboratories include modern equipment for teaching and research in all areas of instruction with recent additions for computerized drafting, CAD/CAM, computerized VLSI design, and robotics. Some of the equipment is of advanced design found in only a few institutional laboratories. Students also have access to over 20 general purpose open-access computer laboratories across the campus, with over 600 computers. There are over 100 software applications available, as well as the web, email, and other network services. An assortment of desk-top minicomputers and engineering work stations are available within the engineering complex. Wireless access is available in all of the engineering buildings.

Standing and Advantages
With a tradition of excellence dating from the founding of the University of Idaho, the College of Engineering has developed and maintained engineering degree programs on the Moscow campus that are noted for quality. For over 40 years, graduate programs in several disciplines have been available at off-campus sites as well. Since 1896, when it granted its first degrees, graduates of the college have spread throughout the world. The large number of firms and agencies throughout the country that send interviewers to the campus each year seeking to hire Idaho engineering graduates attest to the reputation of the university's engineering program.

The size of the college is near the median of engineering colleges in the country. While it is not so large that the importance of the student as an individual is lost, it is large enough to support the faculty and facilities needed for top quality education.

Attention is given to both undergraduate and graduate programs. New concepts and knowledge resulting from the graduate program feed into the undergraduate program to keep it up to date. Undergraduate students have an opportunity to observe and/or contribute effort to graduate research projects to help them determine their interest in graduate work.

Engineering Experiment Station
The function of the Engineering Experiment Station is to encourage and coordinate the College of Engineering’s research and extension programs that are integral parts of the college’s academic and service efforts.

The research program in engineering is conducted by the faculty, staff, and students of the college. There is neither a separate research facility nor a separate research staff. The College of Engineering requires that any research it undertakes have academic significance. A large part of the college’s research program deals with developing new knowledge that is applicable to Idaho’s economy or devising new methods or applications for using existing knowledge to the benefit of the state of Idaho. Most of the funds in support of research come from sources other than legislative appropriations. These funds are the result of research contracts and grants with various local, state, and federal agencies and private industry. Information regarding research capabilities is available upon request.

Believing that education is a never-ending need of mankind, the College of Engineering, through the means of short courses, workshops, seminars and forums, and pertinent publications, attempts to ascertain and meet the specific continuing education needs of Idaho’s graduate engineers, computer scientists, and the technical community. Staff members also endeavor to provide information to the entire population of Idaho that may contribute to the successful solving of societal problems.

Off-Campus Programs
To fulfill its charge to provide engineering education to the people of Idaho, the College of Engineering provides several degree programs off campus. Graduate degrees in most disciplines are available through the Resident Instructional Centers at Boise, Idaho Falls, and Coeur d’Alene, using a combination of resident faculty, real-time video, and web-supported DVD courses. The Engineering Outreach program uses a variety of technologies to provide graduate and advanced undergraduate course work, including some complete master’s degrees, at any location. For more information, see “Resident Instructional Centers.”

General College Requirements for Graduation
University Requirements. See regulation J for requirements that all students in the university must meet.

College Requirements. The minimum credit requirement for university curricula is 120 credits for an undergraduate degree. Some engineering curricula require a greater number of credits.
Courses of Study and Degrees

The College of Engineering includes the degree-granting Departments of Biological Engineering, Chemical and Materials Engineering, Civil and Environmental Engineering, Electrical and Computer Engineering, Mechanical Engineering, and the Department of Computer Science. Careful attention is given to curriculum content and educational philosophy to keep all programs attuned to rapidly changing technology.

Programs in the college lead to the Bachelor of Science in the following disciplines: Biological Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, Material Science and Engineering, Mechanical Engineering, Computer Science, and Industrial Technology.

Most of the courses taken by freshmen and sophomores are the same in all curricula. The student may postpone a final decision on a branch of study for a year or more with little, if any, consequence, thus allowing ample opportunity for professional orientation. The junior and senior years are devoted to application of basic principles and design in the various fields of practice.

Courses of study leading to the degrees of Master of Science (M.S.), Master of Engineering (M.Engr.), and Doctor of Philosophy (Ph.D.) are offered in biological, chemical, civil, electrical, geological, and mechanical engineering. The M.S. and M.Engr. degrees are available in computer engineering and environmental engineering, and the M.S. and Ph.D. degrees are available in computer science. Master of Science degrees are available in geological engineering, material science and engineering, and technology management. The PhD degree is also available in Material Science and Engineering. The Master of Engineering in engineering management is also available. The M.S., M.Engr., and Ph.D. degrees in nuclear engineering are available at the Idaho Falls Center.

Major Curricula

The curriculum for each major is listed in the individual department section. Each curriculum provides for electives to be arranged in consultation with the student's advisor in accordance with the student's interest and consistent with current department and college policies. The electives are intended to provide flexibility in the student's program. Undesignated electives will usually be taken outside of the student's major field of study.

The following undergraduate programs in the College of Engineering are currently accredited by the Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology (ABET), 111 Market Place, Suite 1050, Baltimore, MD 21202-4012 - telephone: (410) 347-7700. Biological Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, Environmental Engineering, Mechanical Engineering, and Occupational Health and Safety. The computer science program is accredited by the Computing Accreditation Commission of ABET. Minors are offered in several programs but we do not pursue accreditation of minors.

Larry A. Stauffer, Dean (125 Janssen Engr. Bldg.; 208-885-6470); Joseph Law, Associate Dean Undergraduates; Barry Willis, Associate Dean Outreach; Vivek Ulgikar Associate Dean Research

*ABDEL-RAHIM, Ahmed S; 2002; Professor of Civil Engineering (P.E.); Director, National Institute for Advanced Transportation Technology; Ph.D.; 1998; Michigan State University.

*ADMASSU, Wudneh; 1992; Professor of Chemical Engineering; Ph.D.; 1984; University Of Idaho.

AKUJUOBI, Cajetai; 1998; Adjunct Associate Professor of Electrical Engineering; Ph.D.; 1995; George Mason University.

*ALLEN, Richard G; 1998; Professor in Soil and Water Systems; Affiliate Faculty of Biological Engineering and Civil and Environmental Engineering; Ph.D.; 1984; University of Idaho.

*ANDERSON, Michael J; 1989; Professor of Mechanical Engineering; Ph.D.; 1989; Washington State University.

*Aston, D. Eric; 2001; Professor of Chemical Engineering; Affiliate Professor of Materials Science and Engineering and Metallurgical Engineering; Department Chair, Department of Chemical and Materials Engineering. Ph.D.; 2001; University of Washington.

*BABOVIC, Valdan; 1997; Adjunct Assistant Professor of Civil and Environmental Engineering; Ph.D.; 1995; International Institute for Infrastructure.

*BATDORF, James A; 1989; Adjunct Assistant Professor of Chemical Engineering; Ph.D.; 1988; University of Idaho.

*BAYOMY, Fouad M; 1991; Professor of Civil Engineering (P.E.); Ph.D.; 1982; Ohio State University.

*BENJANKAR, Rohan Man; 2016; Research Assistant Professor in Civil and Environmental Engineering; Ph.D.; 2009; University of Idaho.

*Bernards, Matthew; 2016; Assistant Professor in Chemical Engineering. Ph.D.; 2008; University of Washington.

*BERRY, Ray A; 1981; Adjunct Professor of Mechanical Engineering; Ph.D.; 1992; University of Idaho.

*BEYERLEIN, Steven W; 1987; Professor of Mechanical Engineering; Department Chair, Department of Mechanical Engineering; Ph.D.; 1987; Washington State University.

*Bjornberg, David; 1996; Adjunct Assistant Professor of Biological Engineering; Ph.D.; 1995; University of Iowa.

*BOARDMAN, Richard D; 2013; Adjunct Faculty of Mechanical Engineering; Ph.D.; 1990; Brigham Young University.

*Borrelli, Robert A; 2015; Assistant Professor of Nuclear Engineering; Ph.D.; 2006; University of California-Berkeley.

*Bryant, Patrick S; 1991; Adjunct Assistant Professor of Chemical Engineering. Ph.D.; 1993; University of Idaho.

*Buffington, John M; 2013; Adjunct Faculty of Civil and Environmental Engineering. Ph.D.; 1987; Washington State University.

*Butt, Darryl P; 2011; Adjunct Professor of Chemical and Materials Engineering. Ph.D.; 1991; Penn State University.

*Cadwell, Jillian R; 2013; Adjunct Faculty of Civil and Environmental Engineering. Ph.D.; 2008; University of Colorado.
*CHAKHCHOUKH, Yacine; 2016; Assistant Professor in Electrical and Computer Engineering; Ph.D.; 2010; Parid-Sud Xi University.

*CHANG, Kevin; 2013; Assistant Professor of Civil Engineering; Ph.D.; 2005; University of Washington.

*CHARIT, Indrajit; 2007; Associate Professor of Materials Science and Engineering; Ph.D.; 2004; University of Missouri.

*CHOURHDURI, Samrat; 2015; Assistant Professor of Chemical and Materials Engineering; Ph.D.; 2008; Pennsylvania State University.

*CHRISTENSEN, Richard N; 2015; Professor in Nuclear Engineering; Director, Nuclear Engineering Program; Ph.D.; 1974; Stanford University.

CLAYTON, Stephen R; 2004; Adjunct Assistant Professor of Biological Engineering; Ph.D.; 2002; University of Idaho.

*COATS, Eric R; 2006; Associate Professor of Civil Engineering (P.E.); Affiliate Faculty of Chemical and Materials Engineering; Ph.D.; 2005; Washington State University.

*COLBERG, Patria J; 2015; Professor of Civil Engineering; Department Chair, Department of Civil and Environmental Engineering; Ph.D.; 1983; Stanford University.

*CORDON, Daniel A; 2013; Clinical Assistant Professor of Mechanical Engineering; Ph.D.; 2010; University of Idaho.

CRAWFORD, Douglas C; 1999; Adjunct Assistant Professor of Materials Science and Engineering and Metallurgical Engineering; Ph.D.; 1991; University of Michigan.

*CREPEAU, John C; 1994; Professor of Mechanical Engineering; Department Chair, Department of Mechanical Engineering; Ph.D.; 1991; University of Utah.

*DROWN, David C; 1980; Associate Professor of Chemical Engineering; Ph.D.; 1975; University of Idaho.

DUNZIK-GOUGAR, Mary Lou; 2017; Adjunct Faculty in Nuclear Engineering; Ph.D.; 2003; Pennsylvania State University.

*EDWARDS, Dean B; 1986; Affiliate Professor of Electrical and Computer Engineering; Ph.D.; 1977; California Institute of Technology.

EL-BADAWY, Sherif; 2012; Adjunct Faculty of Civil Engineering; Ph.D.; 2006; Arizona State University.

ELLIOT, William J; 2014; Adjunct Faculty of Forest, Rangeland, and Fire Sciences; Adjunct Faculty in Biological Engineering; Ph.D.; 1988; Iowa State University.

ESTRADA, David; 2018; Adjunct Faculty in Mechanical Engineering.

*FIEDLER, Fritz R; 2000; Associate Professor of Civil Engineering (P.E.); Ph.D.; 1997; Colorado State University.

FILLER, Jeff R; 2000; Adjunct Assistant Professor of Materials Science and Engineering and Metallurgical Engineering; Ph.D.; 1989; Washington State University.

FLERCHINGER, Gerald N; 1990; Adjunct Assistant Professor of Biological Engineering; Ph.D.; 1987; Washington State University.

FOOTE, Roy F; 1978; Adjunct Professor of Electrical Engineering; M.S.E.E.; 1976; University of Idaho.

*FRENZEL, James F; 1990; Associate Professor of Electrical Engineering; Ph.D.; 1989; Duke University.

FRENZEL, Karen Z; 1990; Clinical Associate Professor of Electrical Engineering; Ph.D.; 1986; Duke University.

GAN, Jian; 2005; Adjunct Assistant Professor of Materials Science and Engineering; Ph.D.; 1999; University of Michigan.

GARDNER, John F; 2016; Adjunct Faculty in Mechanical Engineering; Ph.D.; 1987; Ohio State University.

GOFF, Kenneth M; 2006; Adjunct Associate Professor of Materials Science and Engineering; Ph.D.; 1991; Georgia Institute of Technology.

GOMBERT, Dirk; 2000; Adjunct Assistant Professor of Chemical Engineering; Ph.D.; 1994; University of Idaho.

GOODWIN, Anthony R.H.; 1993; Adjunct Assistant Professor of Chemical Engineering and Mechanical Engineering; Ph.D.; 1987; University College.

*GOODWIN, Peter; 1996; Professor of Civil Engineering (P.E.); Director, Center for Ecohydraulics Research; Affiliate Professor of Biological Engineering; Ph.D.; 1986; University of California Berkeley.

GOUGAR, Hans; 2017; Adjunct Faculty in Nuclear Engineering; Ph.D.; 2004; Pennsylvania State University.

GUIZANI, Mohsen M; 2015; Professor of Electrical and Computer Engineering; Department Chair, Electrical and Computer Engineering; Ph.D.; 1990; Syracuse University.

*HEMATI, Saied; 2013; Assistant Professor of Electrical and Computer Engineering; Ph.D.; 2005; Carleton University.

HENAGER, Charles H. Jr.; 1995; Adjunct Professor of Materials Science and Engineering and Metallurgical Engineering; Ph.D.; 1983; University of Washington.

*HES, Herbert L; 1993; Professor of Electrical Engineering; Ph.D.; 1993; University of Wisconsin.

HOLMES, Robert G; 1996; Adjunct Faculty in Materials Science and Engineering; Adjunct Faculty in Metallurgical Engineering; Ph.D.; 1975; University of Idaho.

HONG, Yang-Ki; 2006; Adjunct Professor of Materials Science and Engineering; Ph.D.; 1981; University of Utah.

HOOVER, Robert; 2016; Adjunct Faculty in Chemical and Materials Engineering; Ph.D.; 2014; University of Idaho.

*IBRAHIM, Ahmed; 2015; Assistant Professor of Civil Engineering; Ph.D.; 2010; University of Missouri.

IMBERGER, Jorg; 2003; Adjunct Professor in Civil Engineering; Ph.D.; 1970; University of California Berkeley.

IMEL, George; 2017; Adjunct Faculty in Nuclear Engineering; Ph.D.; 1977; Pennsylvania State University.

*JOHNSON, Brian K; 1992; Distinguished Professor in Electrical and Computer Engineering; Ph.D.; 1992; University of Wisconsin.
*JUNG, S.J.; 1990; Professor of Geological Engineering; Ph.D.; 1989; West Virginia University.

*KANAKALA, Raghunath; 2011; Assistant Professor of Industrial Technology; Ph.D.; 2004; West Virginia University.

*KASSEM, Emad A; 2015; Assistant Professor of Civil Engineering; Ph.D.; 2008; Texas A&M University.

KEISER, Dennis D; 2010; Research Professor in Engineering Management; Ph.D.; 1975; University of Idaho.

KERBY, Leslie; 2017; Adjunct Faculty in Nuclear Engineering; Ph.D.; 2015; University of Idaho.

KNOWLTON, William B; 2004; Adjunct Assistant Professor of Materials Science and Engineering and Metallurgical Engineering; Ph.D.; 1988; University of California Berkeley.

KRONENBERG, Jeffrey Paul; 2016; Clinical Assistant Professor in Biological Engineering; M.S.; 1983; Cornell University.

KUNZE, Jay; 2017; Adjunct Faculty in Nuclear Engineering; Ph.D.; 1959; Carnegie Mellon University.

*LAW, Joseph D; 1989; Associate Professor of Electrical Engineering; Associate Dean of Undergraduate Academics, College of Engineering; Director, NASA Idaho Space Grant Consortium/NASA Idaho EPSCoR; Ph.D.; 1991; University of Wisconsin.

*LEACHMAN, Jacob W; 2010; Adjunct Assistant Professor of Mechanical Engineering; Ph.D.; 2010; University of Wisconsin-Madison.

*LUND, Joseph; 2014; Clinical Assistant Professor of Electrical and Computer Engineering; Ph.D.; 2012; University of Wisconsin.

LIDE, Chen; 2010; Assistant Professor and Extension Waste Management Engineer of Biological Engineering; Affiliate Faculty of Civil Engineering; Ph.D.; 2008; Iowa State University.

*LIESKE, Sandy; 2016; Instructor in Industrial Education; M.Sci.; 2005; National Technological University.

LINAREZ-ROYCE, Nancy J; 2000; Adjunct Assistant Professor of Materials Science and Engineering and Metallurgical Engineering; Ph.D.; 2000; University of Idaho.

*LIOU, Chyr Pyng; 1986; Professor of Civil Engineering (P.E.); Affiliate Professor of Mechanical Engineering; Ph.D.; 1976; University of Michigan.

*LOWRY, Michael; 2009; Associate Professor of Civil Engineering; Ph.D.; 2004; University of Washington.

LU, Li; 2001; Adjunct Professor of Materials Science and Engineering and Metallurgical Engineering; Ph.D.; 1989; Katholieke Universiteit Leu.

LUCE, Charles H; 2004; Adjunct Assistant Professor of Civil Engineering; Ph.D.; 2000; Utah State University.

MARKS, Danny; 2003; Adjunct Professor of Civil Engineering; Ph.D.; 1988; University of California Santa Barbara.

*MARTIN, Bryn; 2015; Assistant Professor in Biological Engineering; Affiliate Faculty in Bioinformatics and Computational Biology; Affiliate Faculty in Biological Sciences; Ph.D.; 2012; University of Illinois at Chicago.

*MAUGHAN, Michael R; 2015; Clinical Assistant Professor of Mechanical Engineering; Ph.D.; 2015; Purdue University.

*MCCORMACK, Jay; 2013; Adjunct Faculty in Mechanical Engineering; Ph.D.; 2003; Carnegie Mellon University.

MCKELLAR, Michael G; 2013; Adjunct Faculty of Mechanical Engineering; Ph.D.; 1992; Purdue University.

*METLEN, Scott K; 2001; Associate Professor of Operations Management; Affiliate Associate Professor of Engineering Management and Technology Management; Department Head, Department of Business; Ph.D.; 2002; University of Utah.

Mirkouei, Amin; 2018; Affiliate Faculty in Engineering; Ph.D.; 2016; Oregon State University.

*MOBERLY, James G; 2013; Assistant Professor of Chemical and Materials Engineering; Ph.D.; 2010; Montana State University.

MOLL, Amy J; 2004; Adjunct Assistant Professor of Materials Science and Engineering and Metallurgical Engineering; Ph.D.; 1994; University of California Berkeley.

MONTIERTH, Leeland M; 2014; Adjunct Faculty of Nuclear Engineering; Ph.D.; 1982; University of Arizona.

MORRISON, John L; 1993; Adjunct Assistant Professor of Electrical Engineering; Ph.D.; 1992; University of Idaho.

MOXSON, Vladimir S; 1999; Adjunct Associate Professor of Materials Science and Engineering and Metallurgical Engineering; Ph.D.; 1979; Moscow Institute of Steel and Alloys.

NAIDU, Subbaram; 1996; Adjunct Assistant Professor of Electrical Engineering; Ph.D.; 1977; Indian Institute of Technology.

NEILSON, Robert M. Jr.; 1994; Adjunct Professor of Materials Science and Engineering and Metallurgy; M.S.; 1979; SUNY at Stony Brook.

*NIELSEN, Richard J; 1986; Associate Professor of Civil Engineering (P.E.); Department Chair, Department of Civil Engineering; Ph.D.; 1986; Stanford University.

O'BRIEN, James E; 1995; Adjunct Professor of Mechanical Engineering; Ph.D.; 1981; University of Minnesota.

O'BRIEN, Michael H; 1993; Adjunct Professor of Materials Science and Engineering and Metallurgical Engineering; Ph.D.; 1987; Iowa State University.

*ODOM, Edwin M; 1991; Professor of Mechanical Engineering; Ph.D.; 1991; University of Wyoming.

OSTROM, Lee T; 2000; Professor of Engineering; Affiliate Faculty in Biological Engineering; Associate Dean & Director of Academic Programs in Idaho Falls; Ph.D.; 1988; Texas Technology University.

PAPIC, Milorad; 1996; Adjunct Assistant Professor of Electrical Engineering; Ph.D.; 1988; University of Sarajevo.

*PENG, Ching-An; 2015; Professor of Bioengineering; Department Chair, Department of Biological Engineering; Ph.D.; 1995; University of Michigan.

*PENG, Ching-An; 2015; Clinical Assistant Professor of Mechanical Engineering; Ph.D.; 2015; Purdue University.
*PERRY, Joel C; 2014; Assistant Professor of Mechanical Engineering; Ph.D.; 2006; University of Washington.

*PHONGIKAROON, Supathom; 2013; Adjunct Faculty of Chemial and Materials Engineering; Ph.D.; 2001; University of Maryland.

POPE, Chad; 2017; Adjunct Faculty in Nuclear Engineering; Ph.D.; 2011; Idaho State University.

*POTIRNICHE, Gabriel; 2007; Associate Professor of Mechanical Engineering; Ph.D.; 2003; Mississippi State University.

*QUALLS, Russell J; 1999; Associate Professor of Agricultural Engineering; Ph.D.; 1994; Cornell University.

*RAJA, Krishnan; 2011; Associate Professor of Chemical and Materials Engineering; Ph.D.; 1993; Indian Institute of Technology.

*REZKA, Zouheir; 2016; Assistant Professor in Electrical and Computer Engineering; Ph.D.; 2008; University of Montreal, Polytechniqu.

RINK, Karl; 2012; Adjunct Faculty in Mechanical Engineering; Ph.D.; 1994; University of Utah.

*RINKER, Robert E; 1975; Associate Professor of Computer Science; Affiliate Faculty in Electrical and Computer Engineering; Ph.D.; 2006; Colorado State University.

Roberson, Dakota; 2018; Professor of Electrical Engineering; Ph.D.; 2017; University of Wyoming.

ROBERTSON, Eric P; 2008; Adjunct Assistant Professor of Chemical Engineering; Ph.D.; 2005; Colorado School of Mines.

ROGERS, J.W.; 2011; Adjunct Faculty of Chemical and Materials Engineering; Ph.D.; 1979; University of Texas.

*ROLL, Mark; 2011; Associate Professor in Chemical and Materials Engineering; Ph.D.; 2010; University of Michigan.

SACK, Ronald L; 2014; Adjunct Faculty of Civil Engineering; Ph.D.; 1964; University of Minnesota.

*SAXENA, Vishal; 2016; Associate Professor/Micron Endowed Professor in Electrical and Computer Engineering; Ph.D.; 2010; Boise State University.

SCHEILE, Nathan R; 2015; Assistant Professor of Biological Engineering; Ph.D.; 2012; Rensselaer Polytechnic Institute.

SCHELDORF, Jay J. Jr; 1992; Adjunct Assistant Professor of Chemical Engineering; Ph.D.; 1992; University of Idaho.

SCHULTZ, Richard R; 2017; Adjunct Faculty in Nuclear Engineering; Ph.D.; 2010; Idaho State University.

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SMARTT, Herschel B; 1986; Adjunct Associate Professor of Materials Science and Engineering and Metallurgical and Mining Engineering; Ph.D.; 1974; University of Texas.

SMITH, Daniel B; 1996; Adjunct Assistant Professor of Chemical Engineering; Ph.D.; 1991; University of Idaho.

SMITH, David L; 2006; Adjunct Professor of Biological and Agricultural Engineering; Ph.D.; 2003; University of Idaho.

*SOROUR, Sameh; 2016; Assistant Professor in Electrical and Computer Engineering; Ph.D.; 2011; University of Toronto.

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STRAND, William; 1989; Adjunct Assistant Professor of Chemical Engineering; Ph.D.; 1989; University of Idaho.

*SULLIVAN, Dennis M; 1993; Professor of Electrical Engineering; Ph.D.; 1987; University of Utah.

Swenson, Matthew; 2018; Affiliate Professor in Mechanical Engineering; Ph.D.; 2017; Boise State University.

SWITZER, William R; 1993; Adjunct Assistant Professor of Chemical Engineering; M.S.Ch.E.; 1972; University of Southern California.

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TOTEMEIER, Terry C; 1999; Adjunct Assistant Professor of Materials Science and Engineering and Metallurgical Engineering; Ph.D.; 1994; University of Cambridge.

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TREZZA, Ricardo; 2013; Research Associate Professor of Biological Engineering; Ph.D.; 2002; Utah State University.

TUTHILL, David R; 2007; Adjunct Professor of Civil Engineering; Ph.D.; 2002; University of Idaho.

TWIGGS, Rober J; 2008; Adjunct Associate Professor of Electrical and Computer Engineering; M.S.E.E.; 1963; Stanford University.

TYSON, David R; 2006; Adjunct Assistant Professor of Chemical Engineering; Ph.D.; 1990; Iowa State University.

*UNLU, Gulhan; 2000; Associate Professor in the School of Food Science; Affiliate Faculty in Biological Engineering; Ph.D.; 1998; University of Wisconsin.
*UTGIKAR, Vivek; 2001; Professor of Chemical and Materials Engineering; Affiliate Professor of Environmental Science; Associate Dean for Research, College of Engineering; Ph.D.; 1993; University of Cincinnati.

*VAKANSKI, Aleksandar; 2014; Clinical Assistant Professor of Industrial Technology; Affiliate Faculty in Computer Science; Ph.D.; 2013; Ryerson University.

VON LINDERN, Ian H; 1981; Adjunct Professor of Chemical Engineering; Ph.D.; 1980; Yale University.

WACHS, Daniel M; 2016; Adjunct Faculty in Nuclear Engineering Program; Ph.D.; 2002; University of Idaho.

WAGNER, Christopher; 2009; Adjunct Assistant Professor in Electrical and Computer Engineering; Ph.D.; 2004; Washington State University.

WAGSTAFF, Robert B; 1998; Adjunct Assistant Professor of Materials Science and Engineering and Metallurgical Engineering; B.S.; 1987; University of Idaho.

WARD-CLOSE, Malcolm; 1992; Adjunct Professor of Materials Science and Engineering and Metallurgy; Ph.D.; 1977; University of Birmingham.

WELLS, Richard B; 1981; Adjunct Professor in Chemical and Materials Engineering and in Neuroscience; Ph.D.; 1985; University of Idaho.

WEN, Haiming; 2017; Adjunct Faculty in Nuclear Engineering; Ph.D.; 2012; University of California.

WHEELER, Lee; 1983; Adjunct Professor of Chemical Engineering; B.S.; 1970; University of Idaho.

WIENCEK, John M; 2015; Professor of Chemical and Materials Engineering; Provost and Executive Vice President, University of Idaho; Ph.D.; 1989; Case Western Reserve University.

*WILHELMSN, Cheryl A; 2013; Clinical Assistant Professor of Industrial Technology; Director, Industrial Technology; Ph.D.; 2013; University of Idaho.

*WILLIAMSON, Richard L; 1994; Adjunct Professor of Mechanical Engineering; Ph.D.; 1989; University of Idaho.

*WILLIS, Barry; 1993; Professor of Education; Associate Vice President, Educational Outreach; Associate Dean of Outreach, College of Engineering; Ed.D.; 1981; Indiana University.

WINDES, William E; 2008; Adjunct Assistant Professor of Material Science and Engineering; Ph.D.; 2003; University of Idaho.

*WOLBRECHT, Eric T; 2007; Associate Professor of Mechanical Engineering; Affiliate Assistant Professor of Electrical and Computer Engineering; Ph.D.; 2007; University of California Irvine.

WRIGHT, Richard N; 1993; Adjunct Professor of Metallurgy; Ph.D.; 1982; Michigan Technology University.

WRIGHT, Nigel G; 2001; Adjunct Associate Professor of Civil Engineering; Ph.D.; 1988; University of Leeds.

*WU, Xiao (Sarah); 2016; Assistant Professor in Biological Engineering; Ph.D.; 2009; University of Minnesota.

Xian, Min; 2018; Professor in Computer Science; Ph.D.; 2017; Utah State University.

*XING, Tao; 2011; Associate Professor of Mechanical Engineering; Ph.D.; 2002; Purdue University.

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*YAGER, Elowyn M; 2007; Associate Professor of Civil Engineering; Affiliate Faculty of Geological Sciences; Ph.D.; 2006; University of California Berkeley.

*YAGER, Elowyn M; 2007; Associate Professor of Civil Engineering; Affiliate Faculty of Geological Sciences; Ph.D.; 2006; University of California Berkeley.

*ZADEHGOL, Ata; 2014; Assistant Professor of Electrical and Computer Engineering; Ph.D.; 2011; University of Illinois.

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ZHANG, Yanliang; 2015; Adjunct Faculty in Mechanical Engineering; Ph.D.; 2011; Rensselaer Polytechnic Institute.

ZHANG, Yanliang; 2015; Adjunct Faculty in Mechanical Engineering; Ph.D.; 2011; Rensselaer Polytechnic Institute.

*ZHAO, Haiyan; 2014; Assistant Professor of Chemical and Materials Engineering; Ph.D.; 2009; Virginia Polytechnic Institute.

*ZHAO, Haiyan; 2014; Assistant Professor of Chemical and Materials Engineering; Ph.D.; 2009; Virginia Polytechnic Institute.