

# College of Science & Mathematics

---

Scott A. Wood

Minard 202, 701-231-7411, [www.ndsu.edu/scimath](http://www.ndsu.edu/scimath)

Opportunities in the college reflect the belief that an understanding of the methods and findings of science is best achieved through first-hand experience in the process of conducting, analyzing, and reporting research. Students are encouraged to participate in this process by working closely with faculty and other students in laboratory and field research, thus gaining direct knowledge of the power, limits, and problems in scientific inquiry. These opportunities for direct experience with the tools of the scientist are liberally available to the interested and motivated student.

---

## Degree Programs

The College of Science and Mathematics provides undergraduate programs leading to a Bachelor of Science or Bachelor of Arts degree. Graduate programs at the master's and doctoral levels also are offered. For more complete details, see the Graduate Bulletin (<http://bulletin.ndsu.edu/past-bulletin-archive/2015-16/graduate>) .

## Degree Requirements

All majors are required to complete departmental and general education requirements. Available majors include the following:

- Behavioral Statistics
- Biochemistry and Molecular Biology
- Biological Sciences
- Biotechnology
- Botany
- Chemistry
- Computer Science
- Geology
- Mathematics
- Natural Resources Management
- Physics
- Psychology
- Statistics
- Zoology

*Minors are available in most departments.*

## College Requirements

Courses to fulfill the major requirements in the college may not be taken pass/fail with the exception of courses that are only offered pass/fail. Only elective courses outside the major may be taken pass/fail.

Some departments require a grade of 'C' or higher in courses to count toward major requirements. This includes both NDSU and transferred coursework.

## College General Education Requirements

College general education requirements for the two undergraduate degrees extend beyond the minimum university general education requirements (<https://www.ndsu.edu/registrar/gened>) . The college requires an additional six credits in humanities and/or social sciences for the Bachelor of Science degree and an additional 12 credits for the Bachelor of Arts degree. This requirement may be fulfilled by any degree-eligible course having the following prefix: ADHM, ANTH, ARCH, ART, CJ, CLAS, COMM, ECON, ENGL, FREN, GEOG, GERM, HDFS, HIST, LA, LANG, MUSC, PHIL, POLS, PSYC, RELS, SOC, SPAN, THEA, WGS, or any course from the approved list of general education courses in humanities and social sciences (general education categories A and B). These credits must come from outside the department of the student's major. An adviser should be consulted for specific courses. Students also are encouraged to follow their own interests in choosing electives that go beyond the minimum requirements.

## Bachelor of Arts Degree

B.A. degree requirements are the same as the B.S. degree with an additional six credits of humanities or social and behavioral sciences and the addition of two years of a modern foreign language. This means completion of the second year of college-level language or the equivalent. Refer to the Bachelor

of Arts Requirement using a Second Language (<http://bulletin.ndsu.edu/past-bulletin-archive/2015-16/undergraduate/academic-policies/academic-major-degree-information/#language>) section within the Academic Degree Information (<http://bulletin.ndsu.edu/past-bulletin-archive/2015-16/undergraduate/academic-policies/academic-major-degree-information>) section of the Academic Policies (<http://bulletin.ndsu.edu/past-bulletin-archive/2015-16/undergraduate/academic-policies>) .

All degree candidates must apply for graduation through the Office of Registration and Records (<https://www.ndsu.edu/registrar>) according to university procedures and deadlines.

## Specializations

Specializations are provided for career preparation in a range of areas.

## Pre-Professional Programs

Pre-professional curricula are offered by a number of departments for students interested in preparing for careers in medicine, dentistry, mortuary science, chiropractic, optometry, osteopathy, and other health related fields. Most pre-professional programs are flexible and can be developed around many different majors. Departments that advise pre-professional majors include biological sciences, chemistry and biochemistry, physics and psychology.

In addition to the preceding, a number of departments have developed other specializations to meet today's rapidly changing job markets. These may be found in the individual department sections as follows:

- **Biological Sciences:** environmental science, biotechnology, biological sciences education, comprehensive science education, wildlife and fisheries biology, cell biology/physiology, and zoology
- **Chemistry:** biochemistry, biotechnology, chemistry education, pre-professional chemistry, coatings and polymeric materials
- **Geosciences:** geochemistry
- **Psychology:** natural science, social sciences, behavioral neuroscience, industrial-organizational, human services, managerial psychology, and experimental

## Teacher Certification

Several of the majors available through the College of Science and Mathematics may lead to careers in teaching.

Students may complete the requirements for a major in the college, then apply for admission to the School of Education (<https://www.ndsu.edu/education>) in the College of Human Development and Education to undertake the additional requirements necessary to qualify for teacher certification. Alternatively, students may initially select a science and mathematics education curriculum offered through the School of Education.

Programs leading to teacher certification are available in the following areas: biological sciences, chemistry, comprehensive science, earth science, mathematics, and physics.

Students interested in teacher education are encouraged to declare a double major in their discipline and in education (i.e., chemistry education and chemistry). Such double majors may be earned by successful completion of a few additional credits. Students should contact their advisers for details, and are encouraged to declare their primary and secondary majors with the Office of Registration and Records (<https://www.ndsu.edu/registrar>) , 110 Ceres Hall (<https://www.ndsu.edu/alphaindex/buildings/Building::240>) .

## Pre-Medicine and Pre-Dentistry Programs

The suggested program will meet the requirements of most medical and dental schools with specialized advising provided for pre-professional majors including mortuary science, chiropractic, optometry, and osteopathy. In general, these requirements include organic chemistry, physics, and the equivalent of a year of general biology. Some college-level mathematics, such as MATH 146 Applied Calculus I - MATH 147 Applied Calculus II, is strongly recommended. The Bachelor of Arts degree program is recommended. Contact the Department of Biological Sciences (<https://www.ndsu.edu/biology>) for additional information (231-7087).

## Interdisciplinary Programs

The College of Science and Mathematics participates in the following undergraduate interdisciplinary programs. For further information, refer to the Interdisciplinary Programs (<http://bulletin.ndsu.edu/past-bulletin-archive/2015-16/undergraduate/interdisciplinary-studies>) section of the Bulletin.

## Biotechnology Major

Biotechnology is an interdisciplinary field based on a combination of biology and technology. It includes the application of science and technology to the design of new plants, animals, and microorganisms that have improved characteristics.

## Natural Resources Management Major

This interdisciplinary program is available through the College of Science and Mathematics' Biological Sciences (<http://bulletin.ndsu.edu/past-bulletin-archive/2015-16/undergraduate/colleges/science-mathematics/biological-sciences>) Department and the College of Agriculture, Food Systems and Natural Resources' School of Natural Resources (<http://bulletin.ndsu.edu/past-bulletin-archive/2015-16/undergraduate/colleges/agriculture-food-systems-natural-resources/natural-resource-sciences>) and the College of Engineering (<http://bulletin.ndsu.edu/past-bulletin-archive/2015-16/undergraduate/colleges/engineering>) .

## Cooperative Education

Cooperative Education (<https://www.ndsu.edu/career/internshipprogram>) , a program of the Career Center, offers undergraduate and graduate students an opportunity to integrate classroom study with paid, career-related work experience for academic credit. Work may be full or part time. A Cooperative Education experience may substantially improve students' employment opportunities after graduation. Students may obtain one or two semesters of professional work experience related to their studies; however, no more than a total of three credits may be applied to the minimum of 122 credits required for the degree. Each department has specific requirements for earning these credits. The student must have approval from the department chair prior to beginning the Cooperative Education program. See Career Center (<https://www.ndsu.edu/career>) for more information.

## College Requirements

**Bachelor of Science (BS) Degree** – An additional 6 credits in Humanities or Social Sciences \*

**Bachelor of Arts (BA) Degree** – An additional 12 credits Humanities and Social Sciences \* and proficiency at the second year level in a modern foreign language.

\* Humanities and Social Sciences may be fulfilled by any course having the following prefix: ADHM, ANTH, ARCH, ART, CJ, CLAS, COMM, ECON, ENGL, FREN, GEOG, GERM, HDFS, HIST, LA, LANG, MUSC, PHIL, POLS, PSYC, RELS, SOC, SPAN, THEA, WGS, or any course from the approved list of general education courses in humanities and social sciences (general education categories A and B). These credits must come from outside the department of the student's major.

## Interdisciplinary Programs

The following programs are interdisciplinary and are integrated with more than one college/departments within the University.

Biotechnology (<http://bulletin.ndsu.edu/past-bulletin-archive/2015-16/undergraduate/colleges/science-mathematics/biotechnology>)

Great Plains Institute of Food Safety (<http://bulletin.ndsu.edu/past-bulletin-archive/2015-16/undergraduate/colleges/science-mathematics/great-plains-institute-food-safety>)

Natural Resources Management (<http://bulletin.ndsu.edu/past-bulletin-archive/2015-16/undergraduate/colleges/science-mathematics/natural-resources-management>)

## Faculty

- Abufardeh, Sameer O., Assistant Professor of Practice of Computer Science, Ph.D., 2009, North Dakota State University
- Akhmedov, Azer, Assistant Professor of Mathematics, Ph.D., 2004, Yale University
- Aldrich-Wolfe, Laura, Adjunct Professor of Biological Sciences, Ph.D., 2006, Cornell University
- Alfonseca, Maria, Associate Professor of Mathematics, Ph.D., 2003, Universidad Autonoma de Madrid, Spain
- Anderson, Noel W., Adjunct Professor of Computer Science, Ph.D., 1988, Iowa State University
- Anteau, Michael J, Adjunct Professor of Biological Sciences, Ph.D., 2006, Louisiana State University
- Ashworth, Allan C., Emeritus University Distinguished Professor and James A. Meier Professor of Geology, Ph.D., 1969, University of Birmingham, England
- Ayebo, Abraham, Assistant Professor of Mathematics and Education, Ph.,D., 2010, University of Nevada-Reno
- Balas, Benjamin, Assistant Professor of Psychology, Ph.D., 2007, Massachusetts Institute of Technology
- Barabanov, Nikita, Professor of Mathematics, Ph.D., 1979, Leningrad University, Russia, Doctor of Science, 1990, Kiev Institute of Cybernetics
- Battocchi, Dante, Adjunct Professor of Coatings and Polymeric Materials, Ph.D., 2002, University of Trento, Italy
- Bierwagen, Gordon, Professor of Coatings and Polymeric Materials, Ph.D., 1968, Iowa State University
- Blakeslee, Barbara, Research Professor of Psychology, Ph.D., 1983, University of California, Santa Barbara
- Bleier, William J., Emeritus Distinguished Professor and Jordan Engberg Professor of Biological Sciences, Ph.D., 1975, Texas Tech University
- Boudjouk, Philip, Distinguished Professor of Chemistry and Biochemistry, Ph.D., 1971, University of Wisconsin, Madison
- Bowsher, Julia H., Assistant Professor of Biological Sciences, Ph.D., 2007, Duke University
- Boyer, Jeffrey T., Assistant Professor of Practice in Instructional Technology, Ph.D., 2012, University of Florida
- Boynton, Jason, Assistant Professor of Mathematics, Ph.D., 2006, Florida Atlantic University

- Brammer, J.D., Emeritus Professor of Biological Sciences, Ph.D., 1968, Purdue University
- Brophy, John A., Emeritus Professor of Geology, Ph.D., 1958, University of Illinois
- Buckner, James S., Adjunct Professor of Chemistry and Biochemistry, Ph.D., 1971, North Dakota State University
- Buitron, Deborah, Adjunct Professor of Biological Sciences, Ph.D., 1982, University of Minnesota
- Burghaus, Uwe, Associate Professor of Chemistry and Biochemistry, Ph.D., 1995, Free University Berlin
- Butler, Leo T., Associate Professor of Mathematics, Ph.D., 2000, Queen's University, Canada
- Butler, Malcolm G., Professor of Biological Sciences, Ph.D., 1980, University of Michigan
- Calvo, Jorge, Adjunct Professor of Mathematics, Ph.D., 1998, University of California-Santa Barbara
- Carlson, Robert B., Adjunct Professor of Statistics, Ph.D., 1965, Michigan State University
- Chisholm, Bret, Adjunct Professor of Coatings and Polymeric Materials, Ph.D., 1993, University of Southern Mississippi
- Choi, Yongki, Assistant Professor of Physics, Ph.D., 2010, City University of New York
- Christensen, Warren, Assistant Professor of Physics/School of Education, Ph.D., 2007, Iowa State University
- Ciuperca, Catalin, Associate Professor of Mathematics, Ph.D., 2001, University of Kansas
- Clambey, Gary K., Associate Professor of Biological Sciences, Ph.D., 1975, Iowa State University
- Clark, Mark E., Associate Professor of Biological Sciences, Ph.D., 1996, University of Tennessee
- Colbert, Christopher, Assistant Professor of Chemistry and Biochemistry, Ph.D., 2000, Purdue University
- Coleman, Martin, Associate Professor of Psychology, Ph.D., 2005, University of Sussex
- Çömez, Doğan, Professor of Mathematics, Ph.D., 1983, University of Toronto, Canada
- Conwell, Erin, Assistant Professor of Psychology, Ph.D., 2009, Brown University
- Cook, Gregory, Professor of Chemistry and Biochemistry; Department Chair, Ph.D., 1993, Michigan State University
- Coonce, Harry B., Adjunct Professor of Mathematics, Ph.D., 1969, University of Delaware
- Cooper, Susan M., Assistant Professor of Mathematics, Ph.D., 2005, Queen's University, Canada
- Cope, Davis, Associate Professor of Mathematics, Ph.D., 1980, Vanderbilt University
- Council, James R., Professor of Psychology; Department Chair, Ph.D., 1984, University of Connecticut
- Coykendall, James, Adjunct James A. Meier Professor of Mathematics, Ph.D., 1995, Cornell University
- Croll, Andrew, Assistant Professor of Physics, Ph.D., 2009, McMaster University, Ontario
- Croll, Stuart G., Professor of Coatings and Polymeric Materials, Adjunct Professor of Physics, Ph.D., 1974, University of Leeds, U.K.
- Crosby, Ross D., Adjunct Professor of Psychology, Ph.D., 1989, University of Nevada, Reno
- Dahl, Tami L., Senior Lecturer, M. Life Sciences, 2005, University of Maryland
- Davis, David G., Adjunct Professor of Biological Sciences, Ph.D., 1965, Washington State University
- Day, Stephanie S., Assistant Professor of Geology, Ph.D., 2012, University of Minnesota
- Degges, Ronald C., Assistant Professor of Practice of Statistics, Ph.D., 2011, North Dakota State University
- Denton, Alan R., Associate Professor of Physics, Ph.D., 1991, Cornell University
- Denton, Anne, James A. Meier Associate Professor of Computer Science and Operations Research, Ph.D., 1996, University of Mainz, Germany
- Do, Hyunsook, Associate Professor of Computer Science and Operations Research, Ph.D., 2007, University of Nebraska-Lincoln
- Dochtermann, Ned A., Assistant Professor of Biological Sciences, Ph.D., 2009, University of Nevada-Reno
- Dorfmeister, Josef, Assistant Professor of Mathematics, Ph.D., 2009, University of Minnesota
- Donohue, Keith, Lecturer of Psychology, Ph.D., 2008, Florida State University
- Duncan, Benton, Associate Professor of Mathematics; Department Chair, Ph.D., 2004, University of Nebraska-Lincoln
- Duysen, Murray E., Emeritus Professor of Biological Sciences, Ph.D., 1966, University of Nebraska
- Dvorak, Robert D., Assistant Professor of Psychology, Ph.D., 2012, University of South Dakota
- Esslinger, Theodore L., Emeritus Professor of Biological Sciences, Ph.D., 1974, Duke University
- Euliss, Ned, Adjunct Professor of Biological Sciences, Ph.D., 1989, Oregon State University
- Fawley, Karen, Adjunct Professor of Biological Sciences, Ph.D., 1998, North Dakota State University
- Fawley, Marvin W., Adjunct Professor of Biological Sciences, Ph.D., 1985, Miami University
- Fischer, Allan G., Emeritus Dean and Emeritus Professor of Biochemistry and Molecular Biology, Ph.D., 1966, Indiana University
- Fleming, Janet, Lecturer of Computer Science, M.B.A., Northeast Louisiana University, 1984
- Frank, Albert B., Adjunct Professor of Biological Sciences, Ph.D., 1969, North Dakota State University
- Fulton, Mark R., Adjunct Professor of Biological Sciences, Ph.D., 1991, Uppsala University
- Galitz, Donald S., Emeritus Professor of Biological Sciences, Ph.D., 1961, University of Illinois
- Gammill, Robert C., Emeritus Professor of Computer Science, Ph.D., 1969, Massachusetts Institute of Technology
- Garvey, Roy G., Emeritus Professor of Chemistry and Biochemistry, Ph.D., 1966, University of Utah

- Gelling, Victoria Johnston, Adjunct Professor of Coatings and Polymeric Materials, Ph.D., 2001, North Dakota State University
- Gephard, Matthew S., Adjunct Professor of Coatings and Polymeric Materials, Ph.D., 1990, Stanford University
- Gerst, Jeffery W., Emeritus Professor of Biological Sciences, Ph.D., 1973, University of Nebraska
- Gillam, Erin H., Assistant Professor of Biological Sciences, Ph.D., 2007, University of Tennessee
- Glass, J. Edward, Adjunct Professor of Coatings and Polymeric Materials, Ph.D., 1964, Purdue University
- Gordon, Kathryn H., Associate Professor of Psychology, Ph.D., 2008, Florida State University
- Gordon, Robert, Associate Professor of Psychology and Associate Dean, Ph.D., 1999, University of Illinois at Urbana-Champaign
- Gordon, Wendy, Associate Professor of Psychology, Ph.D., 2002, University of Illinois at Urbana-Champaign
- Greenlee, Kendra J., Associate Professor of Biological Sciences, Ph.D., 2004, Arizona State University
- Greives, Timothy J., Assistant Professor of Biological Sciences, Ph.D., 2009, Indiana University-Bloomington
- Grier, James W., Emeritus Professor of Biological Sciences, Ph.D., 1975, Cornell University
- Hakk, Heldur, Adjunct Professor of Chemistry and Biochemistry, Ph.D., 1997, North Dakota State University
- Hammond, James J., Adjunct Professor of Statistics, Ph.D., 1969, University of Nebraska
- Hammond, Richard, Adjunct Professor of Physics, Ph.D., 1979, Rensselaer Polytechnic Institute
- Hanson, Mark A., Adjunct Professor of Biological Sciences, Ph.D., 1990, North Dakota State University
- Haring, Ferdinand, Emeritus Professor of Mathematics, M.S., 1962, Illinois Institute of Technology
- Haring, Stuart, Assistant Professor of Chemistry and Biochemistry, Ph.D., 2004, University of Iowa
- Hass, Lonnie D., Emeritus Senior Lecturer of Mathematics, M.A., 1972, University of Illinois
- Hatzenbuehler, Elaine C., Emeritus Senior Lecturer of Geology, B.S., 1971, Kansas State University
- Heidinger, Britt J., Assistant Professor of Biological Sciences, Ph.D., 2007, Indiana University
- Heilmann, Larry J., Adjunct Professor of Chemistry and Biochemistry, Ph.D., 1984, Wesleyan University
- Hershberger, John F., Professor of Chemistry and Biochemistry, Ph.D., 1986, Yale University
- Hill, Loren, Adjunct Professor of Coatings and Polymeric Materials, Ph.D., 1965, Pennsylvania State University
- Hilmert, Clayton J., Associate Professor of Psychology, Ph.D., 2003, University of California-San Diego
- Hinsz, Verlin B., Professor of Psychology, Ph.D., 1983, University of Illinois
- Hobbie, Erik K., Professor of Physics/Coatings and Polymeric Materials; Director of Materials and Nanotechnology Program, Ph.D., 1990, University of Minnesota
- Hodgson, Angela L., Assistant Professor of Practice of Biological Sciences, Ph.D., 2010, University of Minnesota
- Hyun, Seung Won, Assistant Professor of Statistics, Ph.D., 2010, University of Missouri
- Ihle, Thomas, Associate Professor of Physics, Ph.D., 1996, Tech. University of Aachen
- Irish, Leah A., Assistant Professor of Psychology, Ph.D., 2011, Kent State University
- Jacob, Donna L., Research Associate Professor of Biological Sciences, Ph.D., 2004, University College Dublin
- Jacobson, Denley B., Associate Professor of Chemistry and Biochemistry, Ph.D., 1984, Purdue University
- Jayaraman, Sivaguru, James A. Meier Professor of Chemistry and Biochemistry, Ph.D., 2003, Tulane University
- Jin, Wei, Assistant Professor of Computer Science, Ph.D., 2008, State University of New York at Buffalo
- Johnson, Dana L., Emeritus Senior Lecturer of Computer Science, M.S., 1980, University of Denver
- Johnson, Douglas H., Adjunct Professor of Biological Sciences, Ph.D., 1986, North Dakota State University
- Johnson, Ivan M., Adjunct Professor of Biological Sciences, Ph.D., 1969, University of Montana
- Johnson, Jeffrey S., Assistant Professor of Psychology, Ph.D., 2008, University of Iowa
- Johnson, Kenneth R., Emeritus Professor of Mathematics, Ph.D., 1980, University of Colorado
- Kaster, Jessica, Adjunct Professor of Psychology, Ph.D., 2004, University of North Dakota
- Kelter, Paul, Director of the Center for Instructional Excellence and Innovation and Professor, School of Education, Ph.D., University of Nebraska
- Kenyon, Mary Jo, Senior Lecturer of Biological Sciences, M.S., 1997, North Dakota State University
- Kilina, Svetlana, Assistant Professor of Chemistry and Biochemistry, Ph.D., 2007, University of Washington
- Killilea, S. Derek, Professor Emeritus of Chemistry and Biochemistry, Ph.D., 1972, National University of Ireland, Galway, Ireland
- Kolka, Randall, Adjunct Professor of Biological Sciences, Ph.D., 1996, University of Minnesota
- Kong, Jun, Associate Professor of Computer and Operations Research, Ph.D., 2005, University of Texas at Dallas
- Kornfeld, Isaac, Emeritus Professor of Mathematics, Ph.D., 1975, Tashkent State University, Uzbekistan
- Kotala, Pratap, Lecturer of Computer Science, M.S., 2001, North Dakota State University
- Kroll, Daniel, Emeritus Professor of Physics, Ph.D., 1973, University of Chicago
- Krush, Joan, Lecturer/Advisor of Computer Science and Operations Research, M.S., 1999, University of Iowa
- Kryjevskaja, Lioudmila, Assistant Professor of Physics and School of Education, Ph.D., 2008, University of Washington



- Kryjevski, Andrei, Research Assistant Professor of Physics, Ph.D., 2004, University of Washington
- Langley, Linda, Associate Professor of Psychology, Ph.D., 1998, University of Minnesota
- Larsen, Gerald L., Adjunct Professor of Chemistry and Biochemistry, Ph.D., 1980, North Dakota State University
- Latimer, Joseph, Lecturer of Computer Science, M.B.A., 1988, California Polytechnic State University
- Leopold, Roger A., Adjunct Professor of Biological Sciences, Ph.D., 1967, Montana State University
- Lepper, Kenneth, Associate Professor of Geology, Ph.D., 2001, Oklahoma State University
- Lewis, Adam R., Assistant Professor of Geology, Ph.D., 2005, Boston University
- Li, Juan, Associate Professor of Computer Science, Ph.D., 2008, University of British Columbia
- Liu, Guodong, Associate Professor of Chemistry and Biochemistry, Ph.D., 2001, Hunan University, China
- Linz, George M., Adjunct Professor of Biological Sciences, Ph.D., 1981, North Dakota State University
- Littmann, Friedrich, Associate Professor of Mathematics, Ph.D., 2003, University of Illinois at Urbana-Champaign
- Ludwig, Simone, Associate Professor of Computer Science and Operations Research, Ph.D., 2004, Brunel University, United Kingdom
- Lukat-Rodgers, Gudrun, Research Associate Professor of Chemistry and Biochemistry, Ph.D., 1985, Iowa State University
- Magel, Kenneth I., Professor of Computer Science, Ph.D., 1977, Brown University
- Magel, Rhonda, Professor of Statistics; Department Chair, Ph.D., 1982, University of Missouri-Rolla
- Marry, Andrew M., Adjunct Professor of Biological Sciences, Ph.D., 1998, John Innes Centre
- Martin, John C., III, Associate Professor Emeritus of Computer Science, Ph.D., 1971, Rice University
- Martin, William O., Professor of Mathematics, Ph.D., 1993, University of Wisconsin - Madison
- Mathsen, Ronald M., Emeritus Professor of Mathematics, Ph.D., 1965, University of Nebraska
- May, Sylvio, Associate Professor and Chair of Physics, Ph.D., 1996, Friedrich Schiller University
- McCarthy, Gregory J., Distinguished Professor of Chemistry and Biochemistry, Adjunct Professor of Geology, Ph.D., 1969, Pennsylvania State University
- McCaul, Kevin D., Dale Hogoboom Professor of Psychology, Ph.D., 1978, University of Kansas
- McCourt, Mark, Dale Hogoboom Professor of Psychology, Ph.D., 1982, University of California, Santa Barbara
- McEwen, Daniel C., Adjunct Professor of Biological Sciences, Ph.D., 2008, North Dakota State University
- Meidinger, Alfred, Adjunct Professor of Physics, Ph.D., 2000, North Dakota State University
- Miljkovic, Tatjana, Assistant Professor of Practice of Statistics, Ph.D., 2013, North Dakota State University
- Mitchell, James E., Adjunct Professor of Psychology, M.D., 1972, Northwestern University
- Momsen, Jennifer L., Assistant Professor of Biological Sciences, Ph.D., 2007, Rutgers University
- Montplaisir, Lisa M., Associate Professor and Associate Head of Biological Sciences, Ph.D., 2003, University of Arizona
- Morris, Melvin L., Emeritus Professor of Chemistry and Biochemistry, Ph.D., 1958, Ohio State University
- Munski, Douglas, Adjunct Professor of Geosciences, Ph.D., 1978, University of Illinois at Urbana-Champaign
- Murphy, Keith E., Professor of Biological Sciences, Ph.D., 1989, Louisiana State University
- Myronovych, Oksana, Assistant Professor of Practice of Computer Science, Ph.D., 2009, North Dakota State University
- Nawrot, Mark, James A. Meier Professor of Psychology, Ph.D., 1991, Vanderbilt University
- Nelson, Carolyn C., Emeritus Senior Lecturer of Mathematics, M.S., 1960, North Dakota State University
- Nelson, Gilbert W., Emeritus Professor of Mathematics, M.S., 1958, North Dakota State University
- Nickell, Gary S., Adjunct Professor of Psychology, Ph.D., 1982, Oklahoma State University
- Novozhilov, Artem S., Assistant Professor of Mathematics, Ph.D., 2002, Moscow State University of Railway Engineering
- Nuechterlein, Gary L., Emeritus Professor of Biological Sciences, Ph.D., 1980, University of Minnesota
- Nyachwaya, James, Assistant Professor of Chemistry and Education, Ph.D., expected Spring 2012, University of Minnesota
- Nygard, Kendall E., Professor of Computer Science, Ph.D., 1978, Virginia Polytechnic Institute and State University
- Oduor, Peter, Associate Professor of Geology, Ph.D., 2004, University of Missouri - Rolla
- Offerdahl, Erika, Associate Professor of Biological Sciences and School of Education, Ph.D., 2008, University of Arizona
- Oleson, Arland E., Emeritus Professor of Biochemistry and Biochemistry, Ph.D., 1963, University of Minnesota
- Olson, Lloyd D., Emeritus Professor of Mathematics, M.Ed., 1954, North Dakota State University
- O'Neill, George P., Adjunct Professor of Psychology, Ph.D., 1974, Georgia State University
- O'Neill, H.K., Adjunct Professor of Psychology, Ph.D., 1991, University of North Dakota
- Orr, Megan, Assistant Professor of Statistics, Ph.D., expected Spring 2012, Iowa State University
- Otte, Marinus L., Professor of Biological Sciences, Ph.D., 1991, Vrije Universiteit of Amsterdam
- Park, Ernest, Adjunct Professor of Psychology, Ph.D., 2003, Michigan State University
- Pavicic, Mark J., Adjunct Professor of Computer Science, Ph.D., 1985, Columbia University

- Perrizo, William K., University Distinguished Professor, Jordan Engberg Professor of Computer Science, Ph.D., 1972, University of Minnesota
- Peterka, John J., Emeritus Professor of Biological Sciences, Ph.D., 1964, University of Minnesota
- Pokhodnya, Konstantin, Adjunct Professor of Chemistry and Biochemistry and Physics, Ph.D., 1977, Moscow Institute of Physics and Technology
- Provder, Theodore, Adjunct Professor of Coatings and Polymeric Materials, Ph.D., 1965, University of Wisconsin
- Puyear, Robert L., Emeritus Professor of Biological Sciences, Ph.D., 1964, Oregon State University
- Rafert, J. Bruce, Professor of Physics, Ph.D., 1979, University of Florida
- Rao, M. Bhaskara, Emeritus Professor of Statistics, Adjunct Professor of Mathematics, Ph.D., 1973, Indian Statistical Institute, India
- Rasmussen, Seth C., Professor of Chemistry and Biochemistry, Ph.D., 1994, Clemson University, South Carolina
- Reed, Wendy L., Associate Professor of Biological Sciences, Department Head, Ph.D., 2000, Iowa State University
- Reindl, Katie M., Assistant Professor of Biological Sciences, Ph.D., 2006, North Dakota State University
- Reiser, Mary, Adjunct Professor of Biological Sciences, Ph.D., 1988, Arizona State University
- Richardson, J.L., Adjunct Professor of Geosciences, Ph.D., 1974, Iowa State University
- Robinson, Michael D., James A. Meier Professor of Psychology, Ph.D., 1996, University of California-Davis
- Rock, Jessie, Lecturer of Geology, M.S., 2009, North Dakota State University
- Rodgers, Kenton R., Professor of Chemistry and Biochemistry, Ph.D., 1988, University of Iowa
- Roesler, Richard R., Adjunct Professor of Coatings and Polymeric Materials, Ph.D., 1969, University of Washington
- Rokke, Paul D., Professor of Psychology, Ph.D., 1985, University of Houston
- Routledge, Clay, Associate Professor of Psychology, Ph.D., 2005, University of Missouri-Columbia
- Rudesill, James T., Emeritus Professor of Chemistry and Biochemistry, Ph.D., 1957, Purdue University
- Saini-Eidukat, Bernhardt, Associate Professor of Geology, Ph.D., 1991, University of Minnesota
- Sather-Wagstaff, Sean, Associate Professor of Mathematics, Ph.D., 2000, University of Utah
- Sawicki, Charles A., Associate Professor Emeritus of Physics, Ph.D., 1975, Cornell University
- Schroer, Julie M., Lecturer/Advisor, M.S., 1998, North Dakota State University
- Schwert, Donald P., Professor of Geology and Interim Department Chair; Ph.D., 1978, University of Waterloo, Canada
- Scoby, Donald R., Emeritus Professor of Biological Sciences, Ph.D., 1968, North Dakota State University
- SenGupta, Indranil, Assistant Professor of Mathematics, Ph.D., 2010, Texas A&M University
- Shappell, Nancy, Adjunct Professor of Biological Sciences, Ph.D., 1988, Virginia Polytechnic University
- Shen, Gang, Assistant Professor of Statistics, Ph.D., 2009, Purdue University
- Shreve, Warren E., Emeritus Professor of Mathematics, Ph.D., 1967, University of Nebraska
- Sibi, Mukund P., Distinguished and James A. Meier Professor of Chemistry and Biochemistry, Ph.D., 1980, City University of New York
- Sinha, Mahendra K., Emeritus Professor of Physics, Ph.D., 1961, Pennsylvania State University
- Sinha, Sangita, Assistant Professor of Chemistry and Biochemistry, Ph.D., 2000, Purdue University
- Skerry, Brian, Adjunct Professor of Coatings and Polymeric Materials, Ph.D., 1980, University of Manchester, U.K.
- Slanger, William D., Adjunct Professor of Statistics, Ph.D., 1975, Cornell University
- Slator, Brian M., Professor of Computer Science; Department Head, Ph.D., 1988, New Mexico State University
- Smith, Matthew T., Assistant Professor of Practice of Biological Sciences, Ph.D., 2012, University of Arkansas
- Sovada, Marsha A., Adjunct Professor of Biological Sciences, Ph.D., 1993, North Dakota State University
- Sparks, Robert B., Associate Professor Emeritus of Chemistry and Biochemistry, Ph.D., 1972, University of South Dakota
- Srivastava, D.K., Professor of Chemistry and Biochemistry, Ph.D., 1980, Banaras Hindu University, India
- Stockwell, Craig A., James A. Meier Professor of Biological Sciences, Ph.D., 1995, University of Nevada, Reno
- Striker, Jessica, Assistant Professor of Mathematics, Ph.D., 2008, University of Minnesota
- Sugihara, James M., Emeritus Professor of Chemistry and Biochemistry, Ph.D., 1947, University of Utah
- Sun, Wenfang, Professor of Chemistry and Biochemistry, Ph.D., 1995, Institute of Photographic Chemistry, Chinese Academy of Science
- Suttle, Jeffrey C., Adjunct Professor of Biological Sciences, Ph.D., 1979, Michigan State University
- Swenson, Rodney, Adjunct Professor of Psychology, Ph.D., 1985, University of North Dakota
- Swenson, Orven F., Associate Professor of Physics, Ph.D., 1982, Air Force Institute of Technology
- Tackett, Lydia S., Assistant Professor of Geology, Ph.D., 2014, University of Southern California
- Tallman, Dennis E., Emeritus Professor of Chemistry and Biochemistry and Coatings and Polymeric Materials, Ph.D., 1968, Ohio State University
- Tang, Jingpeng, Adjunct Professor of Computer Science, Ph.D., 2002, North Dakota State University
- Thomas, Laura E., Assistant Professor of Psychology, Ph.D., 2008, University of Illinois
- Travers, Steven E., Associate Professor of Biological Sciences, Ph.D., 1998, University of California, Santa Barbara
- Tucker, Robert, Adjunct Professor of Chemistry and Biochemistry, Ph.D., 1967, Iowa State University

- Ubhaya, Vasant A., Professor of Computer Science, Ph.D., 1971, University of California, Berkeley
- Ungar, Abraham A., Professor of Mathematics, Ph.D., 1973, Tel Aviv University, Israel
- Vick, Brady A., Adjunct Professor of Chemistry and Biochemistry, Ph.D., 1975, North Dakota State University
- Vinograd, Robert E., Emeritus Professor of Mathematics, Ph.D., 1952, Moscow State University, D.Sc., 1960, Moscow State University, Russia
- Voronov, Andriy, Associate Professor of Coatings and Polymeric Materials, Ph.D., 1994, Lviv Polytechnic Institute, Ukraine
- Wagner, Alexander, Associate Professor of Physics, Ph.D., 1997, Oxford University
- Webster, Dean C., Professor of Coatings and Polymeric Materials, Department Chair, Ph.D., 1984, Virginia Polytechnic Institute and State University
- Wettstein, Greg, Adjunct Professor of Computer Science, Ph.D., 1988, North Dakota State University
- White, Alan R., Adjunct Professor of Biological Sciences, Ph.D., 1981, University of North Carolina
- Wilkinson, John C., Assistant Professor of Chemistry and Biochemistry, Ph.D., 2001, Vanderbilt University
- Windels, Steve K., Adjunct Professor of Biological Sciences, Ph.D., 2008, Michigan Technological University
- Wisenden, Brian, Adjunct Professor of Biological Sciences, Ph.D., 1993, University of Western Ontario
- Withnell, Gary D., Adjunct Professor of Physics, Ph.D., 1980, North Dakota State University
- Wittrock, David A., Professor of Psychology, Ph.D., 1990, State University of New York, Albany
- Wonderlich, Stephen A., Adjunct Professor of Psychology, Ph.D., 1985, University of Missouri
- Wood, Scott A., Dean, Ph.D., 1985, Princeton University
- Van Amburg, Gerald L., Adjunct Professor of Biological Sciences, Ph.D., 1969, Texas A&M University
- Yan, Changhui, Associate Professor of Computer Science, Ph.D., 2005, Iowa State University
- Yang, Yarong, Assistant Professor of Statistics, Ph.D., 2010, Northern Illinois University
- Zhao, Pinjing, Associate Professor of Chemistry and Biochemistry, Ph.D., 2003, Cornell University