Program Offices

Aerospace Engineering and Mechanics
Chair, Graduate Admissions Committee, Department of Aerospace Engineering and Mechanics, University of Minnesota, 107 Akerman Hall, 110 Union Street S.E., Minneapolis, MN 55455; 612/625-8000; fax 612/626-1558; e-mail dept@ae.mn.umn.edu; <www.ae.mn.umn.edu>.

Agricultural and Applied Economics
Department of Applied Economics, University of Minnesota, 231 Classroom-Office Building, St. Paul, MN 55108; 612/625-2758; e-mail lipse001@tc.umn.edu; <www.apeccon.agri.umn.edu>.

Agricultural Engineering
See Biosystems and Agricultural Engineering.

Agronomy
See Applied Plant Sciences.

American Studies
Program in American Studies, University of Minnesota, 104 Scott Hall, 72 Pleasant Street S.E., Minneapolis, MN 55455; 612/624-4190; e-mail leex047@tc.umn.edu.

Anatomy
Department of Cell Biology and Neuroanatomy, University of Minnesota, 4135 Jackson Hall, 321 Church Street S.E., Minneapolis, MN 55455; 612/624-1123.

Ancient and Medieval Art and Archaeology
See Classical and Near Eastern Studies.

Animal Sciences
Department of Animal Science, University of Minnesota, 122 Peters Hall, 1404 Gortner Avenue, St. Paul, MN 55108; 612/624-3491; fax 612/625-5789; e-mail renox001@tc.umn.edu; <www.animal.agri.umn.edu>.

Anthropology
Department of Anthropology, University of Minnesota, 215 Ford Hall, 224 Church Street S.E., Minneapolis, MN 55455; 612/625-3450; fax 612/625-3095; e-mail lipse001@tc.umn.edu.

Applied Plant Sciences
Director of Graduate Studies, 411 Borlaug Hall, 1991 Upper Buford Circle, St. Paul, MN 55108; 612/625-4742; fax 612/625-1268; e-mail apsc@tc.umn.edu. This program contains specific tracks in agronomy, horticulture, and plant breeding.

Arabic
No new students are being accepted for the Arabic major under present policy.

Arabic Program, Department of Afro-American and African Studies, University of Minnesota, 808 Social Sciences Building, 267 19th Avenue S., Minneapolis, MN 55455; 612/624-9847.

Architecture
Department of Architecture, University of Minnesota, 110 Architecture Building, 89 Church Street S.E., Minneapolis, MN 55455; 612/624-7866; fax 612/624-5743; e-mail drasi001@tc.umn.edu.

Art
Department of Art, University of Minnesota, 208 Art Building, 216 21st Avenue S., Minneapolis, MN 55455; 612/625-8096 or 612/625-1848; fax 625-7881; e-mail cribbon001@tc.umn.edu; <http://artdept.umn.edu>.

Art Education
See Curriculum and Instruction.

Art History
Department of Art History, University of Minnesota, 107 Jones Hall, 27 Pleasant Street S.E., Minneapolis, MN 55455; 612/624-0847 or 612/624-4500; fax 612/626-8679; e-mail arhist@tc.umn.edu; <www.umn.edu/arhist>.

Astrophysics
Department of Astronomy, University of Minnesota, 356 Tate Laboratory of Physics, 116 Church Street S.E., Minneapolis, MN 55455; 612/624-0211; fax 612/626-2029; e-mail grad-req@astro.spa.umn.edu; <http://astl.spa.umn.edu>.

Biochemistry, Molecular Biology and Biophysics
Department of Biochemistry (Medical School), University of Minnesota, 4225 Millard Hall, 435 Delaware Street S.E., Minneapolis, MN 55455; 612/625-6100; fax 612/625-2163, or Department of Biochemistry (Biological Sciences), University of Minnesota, 140 Gortner Laboratory of Biochemistry, 1479 Gortner Avenue, St. Paul, MN 55108; 612/624-7755; fax 612/625-5780. Information may also be requested via e-mail at bmbbgp@brain.biochem.umn.edu or Web at <http://bioisci.cbs.umn.edu/gpbmbb/gpbmbb.html>.

For information on the master’s and doctoral degree programs offered in conjunction with the University of Minnesota, Duluth, contact the Associate Director of Graduate Studies, Department of Biochemistry and Molecular Biology, 251 School of Medicine, University of Minnesota, 10 University Drive, Duluth, MN 55812; 218/726-7922.

Biostatistics
Student Services Center, School of Public Health, University of Minnesota, Box 819 Mayo, 420 Delaware Street S.E., Minneapolis, MN 55455; 612/624-3500 or 1/800/774-8636; fax 612/626-6931; e-mail biostatistics@tc.umn.edu; <www.biostat.umn.edu>

Biomedical Engineering
Biomedical Engineering Program, University of Minnesota, Box 107 Mayo, 420 Delaware Street S.E., Minneapolis, MN 55455 (mailing address); 612/624-3446; e-mail bmengp@tc.umn.edu. Program office is in 2-639 Malcolm Moos Health Sciences Tower, 515 Delaware Street S.E., Minneapolis campus.

Biomedical Science
See Biochemistry, Molecular Biology and Biophysics.

Biophysics
Department of Radiology, University of Minnesota, 1390 Eckles Avenue, St. Paul, MN 55108; 612/625-3133; fax 612/624-2785; e-mail biolink@cbs.umn.edu; <www.cbs.umn.edu/biolink/mbs.html>.

Biophysical Sciences and Medical Physics
Program, Department of Radiology, University of Minnesota, Box 292 Mayo, 420 Delaware Street S.E., Minneapolis, MN 55455 (mailing address); 612/626-6638; e-mail hanso32@tc.umn.edu.

Biology
See Biomedical Science.

Biosystems and Agricultural Engineering
Director of Graduate Studies, Department of Biosystems and Agricultural Engineering, University of Minnesota, 1390 Eckles Avenue, St. Paul, MN 55108-6005; 612/624-7733; fax 612/624-3005; e-mail bae@gaia.bae.umn.edu; <www.bae.umn.edu>.

This is the Program Offices and Administration and Faculty sections from the 1999-2001 Graduate School Catalog of the University of Minnesota.
Program Offices

Business Administration
Ph.D. Program in Business Administration, Carlson School of Management, University of Minnesota, 4-106 Carlson School of Management, 321 19th Avenue S., Minneapolis, MN 55455; 612/624-0875 or 612/624-5065; fax 612/624-8221; e-mail ebroner@comsoc.umn.edu.

Business Administration, Master of
Graduate School students who wish to take M.B.A. courses must contact the Carlson School of Management, 2-210 Carlson School of Management, Minneapolis, MN 55455; 612/626-7785.

Business Taxation, Master of
Master of Business Taxation Degree Program, Department of Accounting, University of Minnesota, 3-110 Carlson School of Management, Minneapolis, MN 55455; 612/624-3320; fax 612/626-7795; e-mail mbt@tc.umn.edu; <www.cee.umn.edu/mbt>.

Cell and Developmental Biology
See Molecular, Cellular, Developmental Biology and Genetics.

Cellular and Integrative Physiology
Department of Physiology, University of Minnesota, 6-255 Millard Hall, 435 Delaware Street S.E., Minneapolis, MN 55455; 612/626-9178; fax 612/625-5144; e-mail katxx001@tc.umn.edu. Additional information concerning the master’s program is available by contacting the Associate Director of Graduate Studies, Department of Medical and Molecular Physiology, School of Medicine, University of Minnesota, 10 University Drive, Duluth, MN 55812; 218/726-8551; e-mail katxx001@tc.umn.edu.

Chemical Engineering and Materials Science and Engineering
Department of Chemical Engineering and Materials Science, University of Minnesota, 151 Amundson Hall, 421 Washington Avenue S.E., Minneapolis, MN 55455; 612/626-0382; fax 612/626-7246; e-mail prince@cem.umn.edu.

Chemical Physics
Chemical Physics Program, Department of Chemistry, University of Minnesota, 137 Smith Hall, 207 Pleasant Street S.E., Minneapolis, MN 55455; 612/626-7444; fax 612/626-7541; e-mail inquiry@chem.umn.edu; <www.chem.umn.edu>.

Chemistry
Assistant to the Director of Graduate Studies, Department of Chemistry, University of Minnesota, 137 Smith Hall, 207 Pleasant Street S.E., Minneapolis, MN 55455; 612/626-7444 or 1-800-777-2431; fax 612/626-7541; e-mail inquiry@chem.umn.edu; <www.chem.umn.edu>.

Child Psychology
See the College of Education and Human Development Professional Studies Catalog for information on the master of education (M.Ed.) program in early childhood education.

Child Psychology Program, University of Minnesota, 156 Child Development Building, 51 East River Road, Minneapolis, MN 55455; 612/624-0526; fax 612/624-6373.

Chinese
Director of Graduate Studies, Chinese, University of Minnesota, 320 16th Avenue S.E., Minneapolis, MN 55455; 612/626-3331; fax 612/624-4579; e-mail ILASLL@tc.umn.edu.

Civil Engineering
Department of Civil Engineering, University of Minnesota, 122 Civil Engineering Building, 500 Pillsbury Drive S.E., Minneapolis, MN 55455; 612/625-5522; fax 612/626-7750; e-mail cive@tc.umn.edu; <www.cme.umn.edu>.

Classical and Near Eastern Studies
Department of Classical and Near Eastern Studies, University of Minnesota, 330 Folwell Hall, 9 Pleasant Street S.E., Minneapolis, MN 55455; 612/625-5353; fax 612/624-4893; e-mail CNS@tc.umn.edu.

Clinical Laboratory Science
Clinical Laboratory Science Program, Department of Laboratory Medicine and Pathology, University of Minnesota Medical School, Box 609 Mayo, 420 Delaware Street S.E., Minneapolis, MN 55455; 612/625-9901; fax 612/625-9901; e-mail CLS@tc.umn.edu.

Clinical Research
Student Services Center, School of Public Health, University of Minnesota, Box 189 Mayo, 420 Delaware Street S.E., Minneapolis, MN 55455; 612/626-3300; fax 612/626-6931; e-mail ecmr@tc.umn.edu.

Cognitive Science
Charles R. Fletcher, Center for Research in Learning, Perception, and Cognition, University of Minnesota, 205 Elliott Hall, 75 East River Road, Minneapolis, MN 55455; 612/625-6900; 612/624-0904; e-mail sph-ssc@tc.umn.edu.

Composition, Literacy, and Rhetorical Studies
Center for Interdisciplinary Studies of Writing, University of Minnesota, 227 Lind Hall, 207 Church Street S.E., Minneapolis, MN 55455; 612/626-7579; fax 612/626-7580; e-mail micha013@tc.umn.edu; <http://cisw.cla.umn.edu/gradstu/comprim>. Computer and Information Sciences
Department of Computer Science, University of Minnesota, 4-192 Electrical Engineering/Computer Science, 200 Union Street S.E., Minneapolis, MN 55455; 612/625-4002; fax 612/625-0572; e-mail dgs@cs.umn.edu; <www.cs.umn.edu>.

Conflict Management
Director of Graduate Studies, Graduate Minor in Conflict Management, Conflict and Change Center, University of Minnesota, Hubert H. Humphrey Center, 301 19th Avenue S., Minneapolis, MN 55455; 612/625-0362; fax 612/625-3513; e-mail conflmin@tc.umn.edu.

Conservation Biology
Director of Graduate Studies, Conservation Biology Program, Department of Ecology, Evolution, and Behavior, University of Minnesota, 100 Ecology Building, 1987 Upper Buford Circle, St. Paul, MN 55108; 612/625-5732; e-mail simaff@ecology.umn.edu.

Control Science and Dynamic Systems
Control Science and Dynamical Systems Center, University of Minnesota, 107 Akerman Hall, 110 Union Street S.E., Minneapolis, MN 55455; 612/625-3364; e-mail csysd@iem.umn.edu.

Creative Writing
See English.

Counseling and Student Personnel Psychology
See Educational Psychology.
Program Offices

Curriculum and Instruction
Department of Curriculum and Instruction, University of Minnesota, 125 Peik Hall, 159 Pillsbury Drive S.E., Minneapolis, MN 55455; 612/625-2545.

Dentistry
University of Minnesota School of Dentistry, 15-136 Malcolm Moos Health Sciences Tower, 515 Delaware Street S.E., Minneapolis, MN 55455; 612/625-1191, fax 612/626-6096; e-mail shuma001@maroon.tc.umn.edu.

Design, Housing, and Apparel
Director of Graduate Studies, Design, Housing, and Apparel, University of Minnesota, 240 McNeal Hall, 1985 Buford Avenue, St. Paul, MN 55108; 612/626-1219; fax 612/624-2750; e-mail dghgradinfo@che2.che.umn.edu.

Development Studies and Social Change
MacArthur Interdisciplinary Program on Peace and International Cooperation, University of Minnesota, 260 Social Sciences Building, 267 19th Avenue S., Minneapolis, MN 55455; 612/624-0832; fax 612/626-2242; e-mail macarth@tc.umn.edu.

East Asian Languages, Literatures, and Linguistics
See separate graduate programs in Chinese, Japanese, and East Asian Studies.

East Asian Studies
East Asian Studies, Area Studies Programs, University of Minnesota, 214 Social Sciences Building, 267 19th Avenue S., Minneapolis, MN 55455; 612/624-8543.

Ecology
Department of Ecology, Evolution, and Behavior, University of Minnesota, 100 Ecology Building, 1987 Upper Buford Circle, St. Paul, MN 55108; 612/625-5700; fax 612/624-6777; e-mail talston@biisci.cbs.umn.edu; <http://biisci.cbs.umn.edu/eeb/ecol_grad>.

Economics
Director of Graduate Studies, Department of Economics, University of Minnesota, 1035 Management and Economics, 271 19th Avenue S., Minneapolis, MN 55455; 612/625-6833; fax 612/624-0209; e-mail econgrads@atlas.ossci.umn.edu; <www.econ.umn.edu/~econdgs>.

Education
Advanced work leading to the professional degree of master of education (M.Ed.) is offered by the College of Education and Human Development in adult education; agricultural education; art education; business and marketing education; community education administration; curriculum and instructional systems; early childhood education; elementary education; family education; industrial education; mathematics education; music education; physical education; developmental/adapted physical education; recreation, park, and leisure studies; special education; work, community, and family education; and several secondary academic fields. For more information, see the College of Education and Human Development Professional Studies Catalog.

Educational Administration
See Educational Policy and Administration.

Educational Policy and Administration
Alice Thomas, Coordinator of Graduate Studies, Department of Educational Policy and Administration, University of Minnesota, 330 Wulling Hall, 86 Pleasant Street S.E., Minneapolis, MN 55455; 612/624-1006; fax 612/624-3377; e-mail thoma078@tc.umn.edu.

Educational Psychology
For general assistance and information, contact the Director of Graduate Studies Assistant, Department of Educational Psychology, University of Minnesota, 202 Burton Hall, 178 Pillsbury Drive S.E., Minneapolis, MN 55455; 612/624-1698; fax 612/624-8241; e-mail warho004@tc.umn.edu. For specific program materials, contact the program areas as follows: Counseling and Student Personnel Psychology, University of Minnesota, 129 Burton Hall, 178 Pillsbury Drive S.E., Minneapolis, MN 55455; 612/624-6827; fax 612/625-4063; Psychological Foundations of Education, University of Minnesota, 206 Burton Hall, 178 Pillsbury Drive S.E., Minneapolis, MN 55455; 612/624-6083; fax 612/624-8241; e-mail kwalter@tc.umn.edu; School Psychology, University of Minnesota, 344 Elliott Hall, 75 E. River Road, Minneapolis, MN 55455; 612/624-4156; fax 612/624-0879; Special Education, University of Minnesota, 227 Burton Hall, 178 Pillsbury Drive S.E., Minneapolis, MN 55455; 612/624-2342; fax 612/626-9627; agriculture@tc.umn.edu.

Electrical Engineering
Director of Graduate Studies, Department of Electrical Engineering, University of Minnesota, 4-178 Electrical Engineering/Computer Science, 200 Union Street S.E., Minneapolis, MN 55455; 612/625-3564; fax 612/625-4583; e-mail graduate_studies@ee.umn.edu.

Elementary Education
See Curriculum and Instruction.

English
Director of Graduate Studies, Department of English, University of Minnesota, 204 Lind Hall, 207 Church Street S.E., Minneapolis, MN 55455; 612/625-3882; fax 612/624-8228; e-mail gradeng@tc.umn.edu; <www.english.cla.umn.edu>.

English as a Second Language
Director of Graduate Studies, English as a Second Language, University of Minnesota, 320 16th Avenue S.E., Minneapolis, MN 55455; 612/624-3331; fax 612/624-4579; e-mail ILASLL@tc.umn.edu.

Entomology
Director of Graduate Studies, Department of Entomology, University of Minnesota, 219A Hodson Hall, St. Paul, MN 55108; 612/624-3363; fax 612/625-5290; e-mail fall002@maroon.tc.umn.edu; <www.ent.agri.umn.edu>.

Environmental Health
Student Services Center, School of Public Health, University of Minnesota, Box 819 Mayo, 420 Delaware Street S.E., Minneapolis, MN 55455; 612/624-3500 or 1/800/774-8636; fax 612/626-6931; e-mail sph-ssc@tc.umn.edu; <www.sph.umn.edu>.

Epidemiology
Student Services Center, School of Public Health, University of Minnesota, Box 819 Mayo, 420 Delaware Street S.E., Minneapolis, MN 55455; 612/624-3500 or 1/800/774-8636; fax 612/626-6931; e-mail sph-ssc@tc.umn.edu; <www.sph.umn.edu>.

Experimental Surgery
See Surgery.

Family Education
See Work, Community, and Family Education.

Family Practice and Community Health
Department of Family Practice and Community Health, 6-240 Phillips-Wangensteen Building (Box 381 Mayo), University of Minnesota, 516 Delaware Street S.E., Minneapolis, MN 55455; 612/624-2622.

Family Social Science
Department of Family Social Science, University of Minnesota, 290 McNeal Hall, 1985 Buford Avenue, St. Paul, MN 55108; 612/625-3116 or 612/625-1900; fax 612/625-4227.
Feminist Studies
Center for Advanced Feminist Studies, University of Minnesota, 496 Ford Hall, 224 Church Street S.E., Minneapolis, MN 55455; 612/624-6310; fax 612/624-3573; e-mail cafis@tc.umn.edu.

Fisheries
Kathleen Walter, College of Natural Resources, University of Minnesota, 135 Natural Resources Administration Building, 2003 Upper Buford Circle, St. Paul, MN 55108-6146; 612/624-2748; fax 612/625-8701; e-mail kwalter@forestry.umn.edu; <www.fw.umn.edu>.

Food Science
Graduate Program in Food Science, Department of Food Science and Nutrition, University of Minnesota, 1334 Eckles Avenue, St. Paul, MN 55108; 612/624-1390; fax 612/625-5272; e-mail fsgrad@tc.umn.edu; <www.fsci.umn.edu>.

Forestry
Kathleen Walter, College of Natural Resources, University of Minnesota, 135 Natural Resources Administration Building, 2003 Upper Buford Circle, St. Paul, MN 55108-6146; 612/624-2748; fax 612/625-8701; e-mail kwalter@forestry.umn.edu; <www.fw.umn.edu>.

French and Italian
A department general information bulletin and a projection of graduate-level courses to be offered is available from the Department of French and Italian, University of Minnesota, 260 Folwell Hall, 9 Pleasant Street S.E., Minneapolis, MN 55455; 612/624-4308; fax 612/624-6021; e-mail fritrigad@tc.umn.edu; <www.folwell.umn.edu/ fr_it/html>.

Genetics
See Molecular, Cellular, Developmental Biology and Genetics.

Geographic Information Science
Department of Geography, University of Minnesota, 414 Social Sciences Building, 267 19th Avenue S., Minneapolis, MN 55455; 612/625-6080; fax 612/624-1044; e-mail willi046@tc.umn.edu; <www.geog.umn.edu>.

Geological Engineering
Geological Engineering Program, University of Minnesota, Civil Engineering Building, 500 Pillsbury Drive S.E., Minneapolis, MN 55455; 612/625-5522; fax 612/626-7750; e-mail cive@tc.umn.edu; <www.cme.umn.edu>.

Geology and Geophysics
Department of Geology and Geophysics, University of Minnesota, 310 Pillsbury Drive S.E., Minneapolis, MN 55455; 612/624-1333; fax 612/625-3819; e-mail kress004@tc.umn.edu; <www.geo.umn.edu>.

Geophysics
See Geology and Geophysics.

German
Department of German, Scandinavian, and Dutch, University of Minnesota, 205 Folwell Hall, 9 Pleasant Street S.E., Minneapolis, MN 55455; 612/624-2080; fax 612/624-8297; <http://macro.micro.umn.edu/german>.

Germanic Philology
Germanic Philology Program, Center for Medieval Studies, University of Minnesota, 304 Walter Library, 117 Pleasant Street S.E., Minneapolis, MN 55455; 612/626-0805.

Gerontology
Graduate Minor Program in Gerontology, Center on Aging, University of Minnesota, Box 197 Mayo, 420 Delaware Street S.E., Minneapolis, MN 55455; 612/624-3904; fax 612/624-8448.

Greek
See Classical and Near Eastern Studies.

Health Informatics
Director of Graduate Studies in Health Informatics, Division of Health Computer Sciences, University of Minnesota, Box 511 Mayo, 420 Delaware Street S.E., Minneapolis, MN 55455 (mailing address); 612/625-8440; fax 612/625-7166; e-mail doreen@umnhc.labmed.umn.edu.

Health Services Research, Policy and Administration
Division of Health Services Research and Policy, School of Public Health, University of Minnesota, Box 729 Mayo, 420 Delaware Street S.E., Minneapolis, MN 55455; 612/626-3500 or 1/800/774-8636; fax 612/626-6931; e-mail sphi-ssc@tc.umn.edu; <www.sphi.umn.edu>.

Hispanic and Luso-Brazilian Literature and Linguistics
Department of Spanish and Portuguese, University of Minnesota, 34 Folwell Hall, 9 Pleasant Street S.E., Minneapolis, MN 55455; 612/625-5858; fax 612/626-3549.

Hispanic Linguistics
See Hispanic and Luso-Brazilian Literature and Linguistics.

Hispanic Literature
See Hispanic and Luso-Brazilian Literature and Linguistics.

History
Department of History, University of Minnesota, 633 Social Sciences Building, 267 19th Avenue S., Minneapolis, MN 55455; 612/624-2800; fax 612-624-7096.

History of Medicine and Biological Sciences
Department of History of Medicine, University of Minnesota, Box 506 Mayo, 420 Delaware Street S.E., Minneapolis, MN 55455 (mailing address); 612/624-4416.

History of Science and Technology
Including the publication A Guide to Graduate Study in the History of Science and Technology, which supplies more detailed information about requirements, contact the Program in History of Science and Technology, University of Minnesota, 342e Tate Laboratory of Physics, 116 Church Street S.E., Minneapolis, MN 55455; 612/624-7069; fax 612/624-4578.

Horticulture
See Applied Plant Sciences.

Hospital Pharmacy
Graduate Studies in Hospital Pharmacy, University of Minnesota, 7-115 Weaver-Densford Hall, 308 Harvard Street S.E., Minneapolis, MN 55455; 612/624-2973;fax 612/625-9931.

Human Factors/Ergonomics
Doctoral Minor Program in Human Factors/ Ergonomics, Human Factors Research Laboratory, School of Kinesiology and Leisure Studies, College of Education and Human Development, University of Minnesota, 141 Mariucci Arena, 1901 Fourth Street S.E., Minneapolis, MN 55455; 612/625-5300.

Human Resources and Industrial Relations
Industrial Relations Center, University of Minnesota, 3-300 Carlson School of Management, 321 19th Avenue S., Minneapolis, MN 55455; 612/624-2500; fax 612/624-8360; e-mail ssuchy@csom.umn.edu; <www.irc.csom.umn.edu>.

Immunology
See Microbiology, Immunology, and Molecular Pathobiology.

Industrial Engineering
See Mechanical Engineering.
**Program Offices**

**Industrial Relations**
See Human Resources and Industrial Relations.

**Interdisciplinary Archaeological Studies**
Interdisciplinary Archaeological Studies, University of Minnesota, 215 Ford Hall, 224 Church Street S.E., Minneapolis, MN 55455; 612/625-1062.

**International Education**
Director of Graduate Studies, International Education Minor, Comparative and International Development Education, Educational Policy and Administration, University of Minnesota, 330 Wulling Hall, 86 Pleasant Street S.E., Minneapolis, MN 55455; 612/626-7456 or 612/624-1006; e-mail r-paig@tc.umn.edu.

**Interpersonal Relationships Research**
Doctoral Minor Program in Interpersonal Relationships Research, Institute of Child Development, University of Minnesota, 104 Child Development, 51 East River Road, Minneapolis, MN 55455; 612/624-2396; fax 612/624-6737; e-mail mcdon007@tc.umn.edu.

**Italian**
See French and Italian.

**Japanese**
Director of Graduate Studies, Japanese, University of Minnesota, 320 16th Avenue S.E., Minneapolis, MN 55455; 612/624-3331; fax 612/624-4579; e-mail ilasljl@tc.umn.edu.

**Journalism**
See Mass Communication.

**Kinesiology and Leisure Studies**
Linda Estrem, Office of the Director of Graduate Studies, School of Kinesiology and Leisure Studies, University of Minnesota, 220 Cooke Hall, 1900 University Avenue S.E., Minneapolis, MN 55455; 612/624-5017, 612/625-5300; fax 612/626-7700; e-mail for Kinesiology: kin@tc.umn.edu; e-mail for Recreation, Park, and Leisure Studies: rpls@tc.umn.edu; <www.kls.coled.umn.edu/>.

**Landscape Architecture**
Department of Landscape Architecture, University of Minnesota, 125 Architecture Building, 89 Church Street S.E., Minneapolis, MN 55108; 612/625-6860; fax 612/625-7525.

**Latin**
See Classical and Near Eastern Studies.

**Law**
Meredith M. McQuaid, Assistant Dean of Students and Director of International and Graduate Programs, Law School, University of Minnesota, 285 Law Building, 229 19th Avenue S., Minneapolis, MN 55455; 612/625-3025; fax 612/626-1874.

**Liberal Studies**
University College, University of Minnesota, 306 Westbrook Hall, 77 Pleasant Street S.E., Minneapolis, Minnesota 55455; 612/625-3898; fax 612/625-2568; e-mail jhillstr@mail.cee.tc.umn.edu.

**Linguistics**
Director of Graduate Studies, Linguistics, University of Minnesota, 320 16th Avenue S.E., Minneapolis, MN 55455; 612/624-3331; fax 612/624-4579; e-mail ilasljl@tc.umn.edu.

**Luso-Brazilian Literature**
See Hispanic and Luso-Brazilian Literatures and Linguistics.

**Management of Technology**
Management of Technology Graduate Program, Center for the Development of Technological Leadership, University of Minnesota, 510 West Bank Office Building, 1300 S. Second Street, Minneapolis, MN 55454-1082; 612/624-5747; fax 612/624-7510; e-mail general@cdtl.umn.edu; <www.cdtl.umn.edu>.

**Manufacturing Systems**
Management of Technology Graduate Program, Center for the Development of Technological Leadership, University of Minnesota, 510 West Bank Office Building, 1300 S. Second Street, Minneapolis, MN 55454-1082; 612/624-5747; fax 612/624-7510; e-mail general@cdtl.umn.edu; <www.cdtl.umn.edu>.

**Mass Communication**
Graduate Studies Center, School of Journalism and Mass Communication, University of Minnesota, 15 Murphy Hall, 206 Church Street S.E., Minneapolis, MN 55455; 612/625-4054; fax 612/626-8251; e-mail sjmcgrad@tc.umn.edu.

**Materials Science and Engineering**
See Chemical Engineering.

**Mathematics**
School of Mathematics, University of Minnesota, 127 Vincent Hall, 206 Church Street S.E., Minneapolis, MN 55455; 612/625-1306; fax 612/626-2017; e-mail gradprog@math.umn.edu.

**Mathematics Education**
See Curriculum and Instruction.
M.D./Ph.D. Program, Medical School, University of Minnesota, Box 293 Mayo, 420 Delaware Street S.E., Minneapolis, MN 55455 (mailing address); 612/625-3680; fax 612/626-6800; e-mail mdphd@lenti.med.umn.edu.

**Mechanical Engineering and Industrial Engineering**
Mechanical Engineering and Industrial Engineering Graduate Programs, University of Minnesota, 121 Mechanical Engineering, 111 Church Street S.E., Minneapolis, MN 55455; 612/625-2008; fax 612/624-2010; e-mail gradinfo@me.umn.edu.

**Mechanics**
See Aerospace Engineering and Mechanics.

**Medical Physics**
See Biophysical Sciences and Medical Physics.

**Medieval Studies**
Center for Medieval Studies, University of Minnesota, 304 Walter Library, 117 Pleasant Street S.E., Minneapolis, MN 55455; 612/626-0805; fax 612/626-7735; e-mail medhist@tc.umn.edu.

**Microbial Ecology**
Michael Sadowsky, Microbial Ecology Minor Program, University of Minnesota, 246 Borlaug Hall, 1991 Upper Buford Circle, St. Paul, MN 55108; 612/624-2706; e-mail sadowsky@soils.umn.edu.

**Microbial Engineering**
M.S. Program in Microbial Engineering, Biological Process Technology Institute, University of Minnesota, 1479 Gortner Avenue, Suite 240, St. Paul, MN 55108; 612/625-0212; fax 612/625-1700; e-mail bpti@biosci.cbs.umn.edu.

**Microbiology, Immunology, and Molecular Pathobiology**
Microbiology, Immunology, and Molecular Pathobiology Program, University of Minnesota, Box 196 Mayo, 420 Delaware Street S.E., Minneapolis, MN 55455 (mailing address); 612/624-5947; fax 612/626-0623; e-mail miimp@lenti.med.umn.edu.

**Molecular, Cellular, Developmental Biology and Genetics**
Inquiries about admission and financial support should be directed to the Director of Graduate Admissions, Molecular, Cellular, Developmental Biology and Genetics, University of Minnesota, 250 Biological Sciences Center, 1445 Gortner Avenue, St. Paul, MN 55108; 612/624-7470; fax 612/625-5754; e-mail mcdbg@biosci.cbs.umn.edu.

Inquiries about graduate program activities, courses, and research opportunities should be directed to the Director of Graduate Studies at the same address and phone number.
Program Offices

Molecular Pathobiology
See Microbiology, Immunology, and Molecular Pathobiology.

Molecular Veterinary Biosciences
See Veterinary Medicine.

Museum Studies
Museum Studies Minor, University of Minnesota, 300 Bell Museum, 10 Church Street S.E., Minneapolis, MN 55455; 612/624-6380; fax 612/624-7704.

Music
School of Music, University of Minnesota, 100B Ferguson Hall, 2106 4th Street S., Minneapolis, MN 55455; 612/624-0071; fax 612/624-2200; e-mail mus-adm@tc.umn.edu.

Music Education
See Music.

Neuroscience
Neuroscience Program, University of Minnesota, 421 Louns Research Building, 2001 6th Street S.E., Minneapolis, MN 55455; 612/624-9206; fax 612/624-9201; e-mail neurosci@tc.umn.edu.

Nursing
Kate Hanson, Recruiter, School of Nursing, University of Minnesota, 6-101 Weaver-Densford Hall, 308 Harvard Street S.E., Minneapolis, MN 55455; 612/624-4454; fax 612/624-2359; e-mail hanso041@tc.umn.edu; <www.nursing.umn.edu>.

Nutrition
Nutrition Graduate Program, Department of Food Science and Nutrition, University of Minnesota, 1334 Eckles Avenue, St. Paul, MN 55108; 612/624-1290; fax 612/625-5272; e-mail nutrgrad@tc.umn.edu; <www.fsci.umn.edu/nutrgrad>.

Occupational Therapy
Program in Occupational Therapy, University of Minnesota, Box 388 Mayo, 420 Delaware Street S.E., 426 Church St. S.E., Minneapolis, MN 55455 (mailing address); 612/624-5887; fax 612/625-7192; e-mail schmi039@tc.umn.edu. Program office is in 271 Children’s Rehabilitation Center, 426 Church St. S.E., Minneapolis campus.

Oral Biology
Oral Biology Graduate Program, University of Minnesota, 17-252 Moos Health Sciences Tower, 515 Delaware Street S.E., Minneapolis, MN 55455; 612/624-9123.

Otolaryngology
Department of Otolaryngology, University of Minnesota, Box 396 Mayo, 420 Delaware Street S.E., Minneapolis, MN 55455 (mailing address); 612/625-3200; fax 612/625-2101.

Pharmaceutics
Department of Pharmaceutics, College of Pharmacy, University of Minnesota, 9-177 Weaver-Densford Hall, 308 Harvard Street S.E., Minneapolis, MN 55455; 612/624-5151; fax 612/624-2125.

Pharmacology
Department of Pharmacology, University of Minnesota, 3-249 Millard Hall, 435 Delaware Street S.E., Minneapolis, MN 55455; 612/625-9997.

Philosophy
Further details about the program are presented in two publications, Graduate Studies: Philosophy and Degree Programs: M.A. and Ph.D., available from the Department of Philosophy, University of Minnesota, 355 Ford Hall, 224 Church Street S.E., Minneapolis, MN 55455; 612/626-6363; fax 612/624-8380; e-mail umphil@tc.umn.edu.

Physical Education and Recreation
See Kinesiology and Leisure Studies.

Physical Therapy
James R. Carey, Associate Professor and Director, Program in Physical Therapy, University of Minnesota, Box 388 UMHC, Minneapolis, MN 55455 (mailing address); 612/624-5303; fax 612/624-7192; e-mail pthmsdeg@tc.umn.edu; <http://physther.med.umn.edu>.

Physics
Physics Program, School of Physics and Astronomy, University of Minnesota, 145 Tate Laboratory of Physics, 116 Church Street S.E., Minneapolis, MN 55455; 612/624-6366; fax 612/624-4578; e-mail grad@physics.spa.umn.edu; <www.spa.umn.edu>.

Physiology
See Cellular and Integrative Physiology.

Planning
See Public Affairs.

Plant Biological Sciences
Lulu Krogh, Program Secretary, Plant Biological Sciences Graduate Program, University of Minnesota, 220 Biological Sciences Center, 1445 Gortner Avenue, St. Paul, MN 55108; 612/624-1095; 612/624-4222; fax 612/625-1738; e-mail lulu.krogh-1@tc.umn.edu.

Plant Breeding
See Applied Plant Sciences.

Plant Pathology
Department of Plant Pathology, University of Minnesota, 495 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108; 612/625-8200; e-mail anna@puccini.crl.umn.edu; <www.plpa.agri.umn.edu>.

Political Psychology
Department of Political Psychology, Center for the Study of Political Psychology, University of Minnesota, 1282 Social Sciences Building, 267 19th Avenue S., Minneapolis, MN 55455; 612/624-0864; fax 612/626-7599; e-mail polipsyc@polisci.umn.edu.

Political Science
Department of Political Science, University of Minnesota, 1414 Social Sciences Building, 267 19th Avenue S., Minneapolis, MN 55455; 612/624-4144; fax 612/626-7599; e-mail polisci@polisci.umn.edu.

Portuguese
See Hispanic and Luso-Brazilian Literatures and Linguistics.

Psychological Foundations of Education
See Educational Psychology.

Psychology
Department of Psychology, University of Minnesota, 105 Elliott Hall, 75 East River Road, Minneapolis, MN 55455; 612/624-4181; fax 612/624-2079; e-mail prahl001@tc.umn.edu.

Public Affairs
Director of Admissions, Hubert H. Humphrey Institute of Public Affairs, University of Minnesota, 225 Hubert H. Humphrey Center, 301 19th Avenue S., Minneapolis, MN 55455; 612/625-9505; fax 612/625-3513; e-mail admissions@hhh.umn.edu; <www.hhh.umn.edu>.

Public Health
Student Services Center, School of Public Health, University of Minnesota, Box 819 Mayo, 420 Delaware Street S.E., Minneapolis, MN 55455; 612/624-3500 or 1/800/774-8636; fax 612/626-6931; e-mail sph-ufmri@greg2.sph.umn.edu; <www.sph.umn.edu>.

Public Policy
See Public Affairs.

Quaternary Paleoeocology
Emi Ito, Director of Graduate Studies, Quaternary Paleoeocology Graduate Program, University of Minnesota, 108 Pillsbury Hall, 310 Pillsbury Drive S.E., Minneapolis, MN 55455; 612/624-7881; fax 612/625-3819; e-mail eito@tc.umn.edu.

Recreation, Park, and Leisure Studies
See Kinesiology and Leisure Studies.
Rehabilitation Science
James R. Carey, Associate Professor and Director, Program in Physical Therapy, University of Minnesota, 2250 UHHC, Minneapolis, MN 55455 (mailing address); office: 377 Children’s Rehabilitation Center, 426 Church Street S.E., Minneapolis, MN 55455; 612/625-3966; fax 612/625-7192; e-mail rehabsci@tc.umn.edu; <http://phyther.med.umn.edu>.

Religious Studies
Director of Graduate Studies, Department of Classical and Near Eastern Studies, University of Minnesota, 330 Folwell Hall, 9 Pleasant Street S.E., Minneapolis, MN 55455; 612/625-5335.

Rhetoric and Scientific and Technical Communication
Scientific and Technical Communications Programs, Department of Rhetoric, University of Minnesota, 64 Classroom-Office Building, 1994 Buford Avenue, St. Paul, MN 55108; 612/624-4761; fax 612/624-3617; e-mail rhetoric@tc.umn.edu; <http://rhetoric.agoff.umn.edu>.

Russian Area Studies
Russian Area Studies, Area Studies Programs, University of Minnesota, 214 Social Sciences Building, 267 19th Avenue S.E., Minneapolis, MN 55455; 612/624-8543; fax 612/626-2242.

Scandinavian Studies
Department of German, Scandinavian, and Dutch, University of Minnesota, 205 Folwell Hall, 9 Pleasant Street S.E., Minneapolis, MN 55455; 612/625-2080; fax 612/624-8297; <http://macro.micro.umn.edu/german>.

Science, Technology and Environmental Policy
See Public Affairs.

Scientific and Technical Communication
See Rhetoric and Scientific and Technical Communication.

Scientific Computation
Director of Graduate Studies, 4-192 Electrical Engineering/Computer Science, 200 Union Street S.E., Minneapolis, MN 55455; 612/625-1592; fax 612/625-0572; e-mail scic@cs.umn.edu; <www.cs.umn.edu/grad-info/SCP/scp.html>.

School Psychology
See Educational Psychology.

Social and Administrative Pharmacy
Department of Pharmacy Practice, College of Pharmacy, University of Minnesota, 7-115 Weaver-Densford Hall, 308 Harvard Street S.E., Minneapolis, MN 55455; 612/624-2973; fax 612/625-9931; e-mail tesda001@maroon.tc.umn.edu.

Social and Philosophic Studies of Education
Department of Educational Policy and Administration, University of Minnesota, 330 Wulling Hall, 86 Pleasant Street S.E., Minneapolis, MN 55455; 612/624-1006; fax 612/624-3377.

Social Work
School of Social Work, University of Minnesota, 400 Ford Hall, 224 Church Street S.E., Minneapolis, MN 55455; 612/624-5888; fax 612/625-0395; e-mail njohmston@che2.che.umn.edu; <http://ssw.che.umn.edu>.

Sociology
An informational brochure covering specific admission and degree requirements is available from the Graduate Secretary, Department of Sociology, University of Minnesota, 909 Social Sciences Building, 267 19th Avenue S.E., Minneapolis, MN 55455; 612/624-2093; fax 612/624-7020; e-mail ssodept@atlas.socsci.umn.edu.

Software Engineering
Management of Technology Graduate Program, Center for the Development of Technological Leadership, University of Minnesota, 510 West Office Building, 1300 S. Second Street, Minneapolis, MN 55454-1082; 612/624-5747; fax 612/624-7510; e-mail general@cdtl.umn.edu; <www.cdtl.umn.edu>.

Soil Science
Director of Graduate Studies, Department of Soil, Water, and Climate, University of Minnesota, 439 Borlaug Hall, 1991 Upper Buford Circle, St. Paul, MN 55108; 612/625-1244; fax 612/625-2208; e-mail dgs@soils.umn.edu.

South Asian and Middle Eastern Languages and Cultures
No new students are being accepted for the South Asian languages major under present policy.
Department of South Asian and Middle Eastern Languages and Cultures, University of Minnesota, 188 Klaeber Court, 320 16th Avenue S.E., Minneapolis, MN 55455; 612/624-4118.

Spanish
See Hispanic and Luso-Brazilian Literatures and Linguistics.

Special Education
See Educational Psychology.

Speech-Communication
Department of Speech-Communication, University of Minnesota, 460 Folwell Hall, 9 Pleasant Street S.E., Minneapolis, MN 55455; 612/624-5800.

Statistics
School of Statistics, University of Minnesota, 270 Vincent Hall, 206 Church Street S.E., Minneapolis, MN 55455; 612/625-3846; fax 612/624-8868; e-mail info@stat.umn.edu.

Studies in Africa and the African Diaspora
Department of Afro-American and African Studies, University of Minnesota, 808 Social Sciences Building, 267 19th Avenue S., Minneapolis, MN 55455; 612/624-9847; fax 612/624-9383.

Studies of Science and Technology
Director of Graduate Studies, Studies of Science and Technology, University of Minnesota, 309 Ford Hall, 224 Church Street S.E., Minneapolis, MN 55455; 612/625-6635.

Studio Arts
See Art.

Surgery
Department of Surgery, University of Minnesota, Box 195 Mayo, 420 Delaware Street S.E., Minneapolis, MN 55455 (mailing address); 612/625-6483.

Sustainable Agriculture Systems
Director of Graduate Studies, Sustainable Agriculture Systems Minor, Minnesota Institute for Sustainable Agriculture, University of Minnesota, 411 Borlaug Hall, 1991 Upper Buford Circle, St. Paul, MN 55108; 612/625-8235; fax 612/625-1268; e-mail sheaf001@tc.umn.edu.

Theatre Arts
Department of Theatre Arts and Dance, University of Minnesota, 580 Rarig Center, 330 21st Avenue S., Minneapolis, MN 55455; 612/625-5029; fax 612/625-6334; e-mail theatre@tc.umn.edu; <http://cla.umn.edu/theater/index.html>.

Theriogenology
See Veterinary Medicine.

Toxicology
Director of Graduate Studies, Toxicology Graduate Program, Veterinary Diagnostic Laboratory, 1333 Gortner Avenue, St. Paul, MN 55108; 612/625-1936; fax 612/624-8707; e-mail murph005@tc.umn.edu.

Urban and Regional Planning
See Public Affairs.

Veterinary Biology
See Veterinary Medicine.

Veterinary Medicine
Director of Graduate Studies, Veterinary Medicine, 385 Animal Science/Veterinary Medicine, 1988 Fitch Avenue, St. Paul, MN 55108; 612/625-8781; fax 612/625-1210; e-mail pijoat001@tc.umn.edu.
This program contains specific tracks in infectious diseases, internal medicine, population medicine, surgery/radiology/anesthesiology, and theriogenology.

**Veterinary Microbiology**
See Veterinary Medicine.

**Veterinary Parasitology**
See Veterinary Medicine.

**Veterinary Pathology**
See Veterinary Medicine.

**Veterinary Surgery, Radiology, and Anesthesiology**
See Veterinary Medicine.

**Vocational Education**
See Work, Community, and Family Education.

**Water Resources Science**
Director of Graduate Studies, Water Resources Science, Water Resources Research Center, University of Minnesota, 1518 Cleveland Avenue N., Suite 302, St. Paul, MN 55108; 612/624-9282; fax 612/625-1263; e-mail wrs@forestry.tc.umn.edu; or the Director of Graduate Studies, Water Resources Science, Department of Biology, 321 Life Science Building, University of Minnesota, Duluth, MN 55812; 218/726-8200; fax 218/726-8142.

**Wildlife Conservation**
Kathleen Walter, College of Natural Resources, University of Minnesota, 135 Natural Resources Administration Building, 2003 Upper Buford Circle, St. Paul, MN 55108-6146; 612/624-2748; fax 612/625-8701; e-mail kwalter@forestry.umn.edu; <www/fw.umn.edu>.

**Work, Community, and Family Education**
Gary Leske, Director of Graduate Studies, Department of Work, Community, and Family Education, University of Minnesota, R-350 Vocational and Technical Education Building, 1954 Buford Avenue, St. Paul, MN 55108; 612/624-1221; fax 612/624-2231; e-mail votech@tc.umn.edu.

**Zoology**
Zoology Graduate Program, University of Minnesota, 100 Ecology Building, 1987 Upper Buford Circle, St. Paul, MN 55108; 612/624-6770; fax 612/624-6777; e-mail ecbirney@biosci.umn.edu.
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Graduate Faculty

This is a list of graduate faculty in programs on the Twin Cities campus. Fields of study are arranged alphabetically and faculty are listed by academic rank within the field. After faculty name, the middle item indicates home department and the right-hand item graduate faculty status in the program. Professors emeriti are identified by “(emeritus).” Major and minor fields are listed, as are other fields that offer courses for graduate credit but not graduate degrees.

Membership Categories

Full Membership (FM): Authorization to advise students at all levels, including the doctorate; serve as a thesis reviewer and an examiner on student examining committees, including service as chair of doctoral committees; and teach courses for graduate credit. In fields that also offer a professional doctorate, some full-member appointments may be restricted to the supervision of students seeking the professional degree.

Associate Membership (AM): Authorization to advise students at the master’s and specialist certificate levels; serve as a thesis reviewer and an examiner on student examining committees at all levels, but not as chair of doctoral committees; co-advise doctoral students with a full member of the graduate faculty in the same field; and teach courses for graduate credit.

Examining Membership (E): Authorization to serve as a thesis reviewer and an examiner on student examining committees at all levels, but not as chair; and teach courses for graduate credit.

Aerospace Engineering

Regents’ Professor
Daniel D. Joseph, FM

Professor
Roger E. A. Arndt, Civil Engineering, FM
Gordon S. Beavers, FM
Roger Fosdick, FM
William L. Garrard, FM
Richard D. James, FM
Thomas S. Lundgren, FM
Tayfun E. Tezduyar, FM

Associate Professor
Amy E. Alving, FM
Gary J. Balas, FM
Graham V. Candler, FM
Perry H. Leo, FM
Ellen K. Longmire, FM
Thomas W. Shield, FM
Lev Truskinovsky, FM
Yiyuan Zhuo, FM

Adjunct Associate Professor
Dale F. Emns, FM

Assistant Professor
Ian J. Fialho, AM
Ivan Marusic, FM

African Studies

Professor
Samuel L. Myers, Jr., Public Affairs, E
David Roediger, History, E

Associate Professor
Abdi I. Samatar, Geography, E
Gloria M. Williams, Design, Housing, and Apparel, E

American Studies

Professor
Ronald R. Aminzade, Sociology, FM
Ayers Bagley, Educational Policy and Administration, FM
Kent R. Bales, English, FM
Hyman Berman, History, FM
David O. Born, Preventive Sciences, FM
Kinsley J. Brainer, History, FM
Hazel Dicken-Garcia, Journalism and Mass Communication, FM
Mary G. Dietz, Political Science, FM
Sara M. Evans, History, FM
James Fatt, Political Science, AM
Philip J. Gersmehl, Geography, FM
Edward M. Griffin, English, FM
John R. Howe, Jr., History, FM
Karen A. Hoyle, AM
Mary Jo Kane, Kinesiology and Leisure Studies, AM
Sally G. Kohlstedt, Geology and Geophysics, FM
Barbara Laslett, Sociology, FM
Richard D. Leppert, Cultural Studies and Comparative Literature, AM
Alex J. Lubeck, Music, FM
Marion L. Dobbert, Educational Policy and Administration, AM
Kara Ann R. Marling, Art History, FM
Judith A. Martin, Geography, FM
Elaine Tyler May, FM
Ronald C. McCurdy, Music, FM
Toni A. H. McNaron, English, FM
Russell R. Menard, History, FM
David W. Noble, John a. powell, Law School, AM
Paula Rabowinowitz, English, FM
Nancy L. Roberts, Journalism and Mass Communication, FM
David Roediger, FM
Martin Roth, English, FM
Steven Ruggles, History, AM
Harvey B. Sarles, Cultural Studies and Comparative Literature, FM

Research Associate
Ronald B. Larson, AM

Other
Earl L. Fuller (emeritus), FM
Philip M. Raus (emeritus), FM
Wesley B. Sundquist (emeritus), FM
Yacov Tsur, FM

Agricultural and Applied Economics

Regents’ Professor
Vernon W. Ruttan, FM
G. Edward Schuh, FM

Professor
Jeffrey Apland, FM
Sandra O. Archibald, Public Affairs, FM
Dale C. Dahl (emeritus), FM
Reynold P. Dahl (emeritus), FM
K. William Easter, FM
Vernon R. Eidman, FM
William C. Gartner, FM
Hans M. Gregersen, Forest Resources, AM
Jerome W. Hammond (emeritus), FM
Beth W. Honadle, FM
James P. Houck, FM
Robert Philip King, FM
Jean D. Kinsey, FM
Richard A. Levins, FM
Wilbur R. Makai (emeritus), FM
Michael V. Martin, FM
George W. Morse, FM
Claudia A. Parliament, FM
Glenn D. Pederson, FM
Willis L. Peterson, FM
Terry L. Roe, FM
C. Ford Rungel, FM
Benjamin H. Senauer, AM
Delane E. Welsch, FM

Associate Professor
Brian L. Buhr, FM
Jay S. Coggins, FM
Buddy G. Crewdson, AM
Jeremiah E. Frumin, FM
William F. Lazarus, FM
Donald J. Liu, FM
Gerard McCullough, FM
Kent D. Olson, FM
Philip G. Purdy, AM
Stanley C. Stevens, FM
Steven J. Taft, FM
David D. Trechter, AM

Assistant Professor
Frances R. Homans, FM
Rodney B. Smith, FM
Thomas F. Stinson, FM

Research Associate
Ellen J. Steket, English, FM
Roger H. Stuewer, Physics, FM
Rudolph J. Vecoli, History, FM
Gayle Graham Yates, FM
Jack D. Zipes, German, Scandinavian, and Dutch, FM

Associate Professor
Lisa Albrecht, General College, AM
W. John Archer, Cultural Studies and Comparative Literature, FM
Rose M. Brewer, Afro-American and African Studies, FM
Maria Damon, English, FM
John M. Dolan, Philosophy, AM
Arthur I. Geffen, English, FM
George D. Green, History, FM
March L. Kootse, Kinesiology and Leisure Studies, AM
Josephine D. Lee, English, AM
Larry L. May, FM
Ellen Messer-Davidson, English, FM
Carol A. Miller, FM
Roger P. Miller, Geography, FM
Guil K. Noble, General College, AM
Jean M. Obrien, History, FM
Joanna O’Connell, Spanish and Portuguese, AM
Jennifer L. Pierce, Sociology, AM
Riv-Ellen Prell, FM
Guillermo Rojas, Chicano Studies, AM
Thomas M. Scanlan, Rhetoric, AM
Robert B. Silberman, Art History, FM
Allan H. Spear, History, FM
Dennis N. Valdes, History, FM
John S. Wright, English, FM
Jacquelyn N. Zita, Women’s Studies, AM

Assistant Professor
Brenda J. Child, AM
Douglas Hartmann, Sociology, AM
Lisa A. Norling, History, AM

Senior Fellow
Harry C. Boyte, AM

Other
William C. Beyer, AM
Colleen J. Sherry, AM
Ian H. Mainland, Strategic Management, FM
Salvatore T. March, Information and Decision Sciences, FM
Alfred A. Marcus, Strategic Management, FM
Joan Meyers-Levy, Marketing and Logistics Management, FM
Christopher J. Nachtsheim, Operations and Management Science, FM
Timothy J. Nantell, Finance, FM
Judy D. Rayburn, Accounting and Business Law, FM
Kenneth J. Roering, Marketing and Logistics Management, FM
Robert W. Ruekert, Marketing and Logistics Management, FM
Roger G. Schroeder, Operations and Management Science, FM
James G. Scoville, Industrial Relations, FM
Allan D. Shocker, Marketing and Logistics Management, FM
Andrew H. Van de Ven, Strategic Management, FM
Osville C. Walker, Jr., Marketing and Logistics Management, FM
James C. Wetherbe, Information and Decision Sciences, FM
Andrew F. Whitman, Industrial Relations, FM
Mahmood A. Zaidi, Industrial Relations, FM

Graduate Faculty

Assistant Professor
William W. Li, Operations and Management Science, FM
Kevin Linderman, Operations and Management Science, AM
Kathleen M. McKone, Operations and Management Science, AM
Susan Meyer, Operations and Management Science, AM
Balkrishna Radhakrishna, Accounting and Business Law, AM
Mark Ritson, Marketing and Logistics Management, AM
Diane L. Rolke, Strategic Management, AM
P. Jane Saly, Accounting and Business Law, AM
Prat P. Shah, Strategic Management, AM
Mani R. Subramani, Information and Decision Sciences, AM

Assistant Professor
Gary W. Carter, AM

Other
Frederick R. Jacobs, AM
Howard Strauss, AM

Cellular and Integrative Physiology

Professor
Peter B. Bittner, Medicine, FM
Dwight A. Burkhardt, Psychology, FM
Frank B. Cerra, Surgery, FM
Joseph DeSalvo, Physiology, FM
Timothy J. Ehner, Neurosurgery, FM
William C. Engeland, Surgery, FM
John E. Foker, Surgery, FM
Esther M. Galtan, Veterinary Pathobiology, AM
Robert P. Hebbel, Medicine, FM
Lois J. Heller, School of Medicine, Duluth, FM
Thomas H. Hostetter, Medicine, FM
Costantino Iadecola, Neurology, FM
David H. Inghar, Medicine, FM
Hon Cheung Leung, Physiology, FM
Arthur S. Leon, Kinesiology and Leisure Studies, FM
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Education

Subfield Abbreviations
Education (Twins Cities campus): At the Ph.D. level, the education major is divided into three emphases. Faculty associated with these doctoral programs are identified using the following abbreviations:

Curriculum and Instruction, C&I
Recreation, Park, and Leisure Studies, RPLS
Work, Community, and Family Education, WCFE

At the M.A. level, the education major is divided into two emphases. Faculty associated with these master’s programs are identified using the following abbreviations:

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Jeanette R. Daines, WCFE, AM
Fred E. Hill, C&I, E
Melodee Landis, C&I, AM
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Glen F. Palm, C&I, E
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Educational Policy and Administration

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Ayars Bagley, FM
Robert H. Bruninkins, Educational Psychology, FM
David W. Chapman, FM
John J. Cogan, Curriculum and Instruction, FM
Philip T. K. Daniel, FM
James C. Hearn, Jr., FM
Stephen A. Hoenack, Public Affairs, AM
Clifford P. Hooker (emeritus), FM
Dale L. Lange, FM
Darrell R. Lewis, FM
Theodore Lewis, Work, Community, and Family Education, FM
Karen S. Louis, FM
Marion L. Lundy-Dobbert, FM
Betty Molen, FM
Tim L. Mazzoni (emeritus), FM
Research Faculty

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Mark E. Ascerino, Jr., FM
Ann M. Fallon, FM
Ralph W. Holzenthal, FM
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Edward C. Radcliffe, FM
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Marla Spivak, FM
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Sagar M. Goyal, Veterinary Diagnostic Medicine, FM
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Jack S. Mandel, FM
Ken Sexton, AM
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Donald Vesely, FM

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Timothy R. Church, AM
Ian A. Greaves, FM
George Maldonado, AM
Rita B. Messing, Pharmacology, AM
Lisa A. Peterson, AM
Deborah L. Swackhamer, FM

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Rebecca A. Johnson, AM
Patricia M. McGovern, AM
Carl V. Phillips, AM
Gurumurthy Ramachandran, FM
Elizabeth V. Wattenberg, AM

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Hillary M. Carpenter, AM
Jeffrey H. Mandel, AM
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Phyliss L. Pirie, FM
Ronald J. Princus, FM
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Alexander C. Wagenaar, AM

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Charles E. Boul, AM
John R. Finnegan, Jr., FM
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Simone A. French, AM
Myron D. Gross, AM
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Kathryn D. Rettig, FM
Paul C. Rosenblatt, FM
Shirley L. Zimmerman, FM

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Rose M. Brewer, Afro-American and African Studies, FM
Maria Damon, English, AM
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Ellen Messer-Davidow, English, FM
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Riv-Ellen Prell, American Studies, AM
Gloria Goodwin Raheja, Anthropology, AM
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Monika Zagar, German, Scandinavian, and Dutch, AM

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Other
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Yosef Cohen, FM
Anne R. D. Kapuscinski, FM
Peter W. Sorensen, FM
George R. Spangler, FM

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Raymond M. Newman, FM

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Carl Richards, Duluth, AM

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Clayton J. Edwards, E

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Meinal Bhattacharya, FM
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Francis F. Busta, FM
Agnes S. Cullany, FM
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Larry L. McKay, FM
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Gary A. Reineccius, FM
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Marvin E. Bauer, FM
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Alfred D. Sullivan, AM

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Jerrold E. Winandy, Wood and Paper Science, AM

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Stephan P. Carlson, AM
David T. Grimsrud, Wood and Paper Science, FM
Howard M. Hoganson, AM
Klaus J. Pfortmam, FM
Shir Masamaw, Wood and Paper Science, AM
Simo Sarkkuri, Wood and Paper Science, AM
J. L. David Smith, Fisheries and Wildlife, AM
Ulrike Tischler, Wood and Paper Science, AM

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J. G. Siebrand, E
Pamela J. Jakes, AM
Gary R. Johnson, AM
Steven B. Laursen, AM
Rolf A. Leary, AM
David C. Lothner, E
Michael E. Ostby, AM
Harlan D. Petersen, E
Don E. Riemenschneider, E
Thomas L. Schmidt, AM

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Mark H. Hansen, AM
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Research Associate
Lee E. Freitch, AM
George H. Honadle, Applied Economics, AM
Glenn T. Howe, AM
Jacek Oleksyn, AM
Robert T. Seavey, University College, AM
Robert A. Stine, AM
Xiwei Yin, AM

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Maria F. Paganini, AM
Joseph L. Waldauer, AM

Associate Professor
Betsy K. Kerr, FM
Daniel Brewer, FM
Maria M. Brewer, FM
Ronald L. Martinez, FM

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Professor
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Dwight A. Brown, AM
Philip J. Gersmehl, AM
Mei-Ling Hsu, AM

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Robert B. McMaster, AM
Roger P. Miller, AM
Shashi Shekhar, Computer Science, AM
Roderick H. Squires, AM
Howard D. Veregin, AM

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Geography
Professor
John S. Adams, AM
Dwight A. Brown, AM
Philip J. Gersmehl, AM
John F. Hart, AM
Mei-Ling Hsu, AM
Helga M. Leitner, AM
Judith A. Martin, AM
Philip W. Porter, AM
John G. Rice, AM
Joseph E. Schwartzberg, AM
Earl P. Scott, AM
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Richard H. Skaggs, AM

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Connie H. Weil, AM

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Bruce W. Braun, AM
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Karen E. Till, AM

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Other
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Graduate Faculty
265
Geophysics

Professor
Subir K. Banerjee, FM
Shun-ichiro Karato, FM
David L. Kohlstedt, FM
V. Rama Murthy, FM
David L. Southwick, AM
James H. Stout, FM
David A. Yuen, FM

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Bruce M. Moskowitz, FM

Other
Val W. Chandler, AM
Michael J. Jackson, AM

German

Professor
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Ruth-Ellen B. Joeres, FM
Anatoly Liberman, FM
James A. Parente, Jr., FM
Jochen Schultz-Sasse, FM
Gerhard H. Weiss (emeritus), FM
Jack D. Zipes, FM

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Other
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Gerontology

Professor
Dennis A. Ahlgren, Industrial Relations, E
David O. Born, Preventive Sciences, E
Pauline G. Boss, Family Social Science, E
James C. Croyd, Pharmacy Practice, E

Daniel F. Detzner, Family Social Science, E
Richard P. DiFabio, Physical Medicine and Rehabilitation, E
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Robert L. Kane, Public Health, E
Rosalie A. Kane, Public Health, E
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Helen Q. Kivnick, Social Work, E
Matthew K. McGue, Psychology, E
Donald G. McTavish, Sociology, E
Susan S. Meyers, Social Work, E
Jeylan T. Mortimer, Sociology, E
Jean K. Quam, Social Work, E
Muriel B. Ryden, Nursing, E
Martha Snyder, Nursing, E
Michael Wade, Kinesiology and Leisure Studies, E
Jonathan D. Wirtschafter, Ophthalmology, E
Jean Wyman, Nursing, E
Robert E. Yahnke, General College, E
Shirley L. Zimmerman, Family Social Science, E

Associate Professor
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Bernadine M. Feldman, Nursing, E
Cynthia R. Gross, Pharmacy Practice, E
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Tom Alan Larson, Pharmacy Practice, E
Steven H. Miles, E
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Mary Zwygert-Stautfacker, Nursing, E

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Merrie J. Kaas, Nursing, E
James R. Reinardy, Social Work, E
LaDora V. Thompson, Physical Medicine and Rehabilitation, E

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Sharon Patten, Public Health, E

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Paul D. Thuras, Psychiatry, E

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Barton W. Galle, Jr., E
Christine A. Mueller, E
Alice J. Stark, E

Greek

Professor
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Gerald M. Erickson (emeritus), Independent Study, AM
Jackson P. Hershbell, FM
Eva C. Keuls, FM
Robert P. Sonkowski, FM

Associate Professor
Nita Krevans, FM
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S. Douglas Olson, FM
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Robert P. Patterson, Physical Medicine and Rehabilitation, FM
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Nicholas Spadaccini, FM
Hernan Vidal, FM
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Jean M. O’Brien-Kehoe, AM
Gianna Pomata, FM
Allan H. Spear, FM
Dennis N. Valdes, FM

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Lisa A. Noting, AM

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Sally G. Kohlstedt, Geology and Geophysics, FM
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Roger H. Stuewer, Physics, FM

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Professor
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Richard D. Arvey, FM
Avner Ben-Ner, FM
Hyman Berman, History, FM
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Taraal O. Kvaslet, FM
Yechiel Shulman, FM
Patrick J. Starr, FM

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Guy E. Gibbon, Anthropology, FM
Stephen F. Gudeman, Anthropology, FM
Calvin B. Kendall, English, FM
Eva C. Kees, Classical and Near Eastern Studies, FM
Thomas S. Noonan, History, FM
Timothy G. Roufs, Sociology, Anthropology, Duluth, AM
Alan E. Shapiro, Physics, FM
Ellen J. Steinberg, English, FM
Peter S. Wells, Anthropology, FM

Associate Professor
Eve B. Cole, Philosophy, Duluth, AM
Scott M. Freundschuh, Geography, Duluth, FM
Gerald W. Johnson, Civil Engineering, FM
William W. Malandra, Classical and Near Eastern Studies, AM
Howard D. Mooers, Geology, Duluth, FM
Oliver P. Nicholson, Classical and Near Eastern Studies, AM
Jonathan S. Paradise, Classical and Near Eastern Studies, FM
Philip H. Sellw, Classical and Near Eastern Studies, FM
Nancy J. Stenson, Linguistics and Asian and Slavic Languages and Literatures, AM

Assistant Professor
John R. Bower, Glensheen, Duluth, AM
Joy McCorriston, Anthropology, FM
Susan C. Mutholland, Sociology, Anthropology, Duluth, AM

Instructor
Gordon R. Peters, Duluth, AM

Lecturer
Scott F. Anfinson, AM
Greg Laden, Anthropology, AM
William K. Miller, Glensheen, Duluth, AM

Other
Robert A. Clouse, AM
Clark A. Dobbs, AM
Orrin C. Shane, FM
Bruce M. White, AM
Nancy C. Wilkie, FM

International Education

Professor
Ayers Bagley, Educational Policy and Administration, AM
William M. Bart, Educational Psychology, E
James M. Brown, Work, Community, and Family Education, E
John J. Cogan, Curriculum and Instruction, E
Kerry J. Freedman, Curriculum and Instruction, E
L. Sunny Hansen, Educational Psychology, E
Theodore Lewis, Work, Community, and Family Education, E
Gary N. McLean, Work, Community, and Family Education, E
Josef A. Mestenhauser, Educational Policy and Administration, E
S. Jay Samuels, Educational Psychology, E
Robert D. Tennyson, Educational Psychology, E

Associate Professor
Patricia A. Avery, Curriculum and Instruction, E
Y. Lois Erickson, Educational Psychology, E
Philip R. Goodrich, Biosystems and Agricultural Engineering, E
March L. Krotee, Kinesiology and Leisure Studies, E
R. Michael Paige, Educational Policy and Administration, E
Jane E. Pilhal, Work, Community, and Family Education, E

Lecturer
Kay A. Thomas, Educational Psychology, E
Interpersonal Relations Research

Regents’ Professor
Ellen S. Berscheid, Psychology, E

Professor
W. Andrew Collins, Child Development, E
Byron Egeland, Child Development, E
Harold D. Grotevant, Family Social Science, E
Dean E. Hewes, Speech-Communication, E
Robert K. Leik, Sociology, E
James W. Maddock, Family Social Science, E
Geoffrey M. Maruyama, Educational Psychology, E
David H. Olson, Family Social Science, E
Mark Snyder, Psychology, E
L. Alan Sroufe, Child Development, E
Ruth G. Thomas, Work, Community, and Family Education, E
Patricia S. Tomlinson, Nursing, E

Associate Professor
Nicki R. Crick, Child Development, E
Patricia A. Frazier, Psychology, E

Assistant Professor
Terry A. Kinney, Speech-Communication, E
Becky L. Omdahl, Speech-Communication, E
Jeanne L. Tsai, Psychology, E

Italian

Professor
Susan J. Noakes, AM

Associate Professor
Ronald L. Martine, AM

Assistant Professor
Susanna Feltito, AM

Japanese

Associate Professor
Polly E. Szatrowski, FM

Assistant Professor
Terry Kawashima, AM
Sarah J. Pradt, AM

Kinesiology

Professor
Fred S. Apple, FM
Richard S. Crow, AM
Arthur G. Erdman, Mechanical Engineering, AM
Peter A. Hancock, FM
David W. Johnson, Educational Psychology, AM
Roger T. Johnson, Curriculum and Instruction, AM
Mary Jo Kane, FM
Arthur S. Leon, FM
Herbert L. Pick, Jr., Child Development, AM
Michael Wade, FM
Albert Younus, Child Development, AM

Assistant Professor
Bruce D. Anderson, FM
Allen W. Burton, FM
March L. Krotee, FM
Robert C. Serfass, FM
Diane M. Wiese-Bjornstal, FM

Assistant Professor
Roger D. Harrold, AM

Lecturer
JoAnn Bayse, AM
James Larson, AM
Thomas J. Smith, AM

Senior Fellow
Victor S. Koscheyev, AM

Research Associate
Stephen F. Scallen, AM
Kip C. S. Smith, Accounting and Business Law, AM
Ara J. Walker, AM

Other
Anthony Brown, AM

Landscaping Architecture

Professor
John F. Hart, Geography, AM
Roger B. Martin, AM
William R. Morrish, Architecture, AM
Lance M. Neckar, AM
David G. Pitt, AM

Adjunct Professor
David W. Lime, Geography, AM

Associate Professor
John A. Koopke, AM
Peter J. Olin, Horticultural Science, AM
Robert D. Sykes, AM

Assistant Professor
Susan M. Galatowitsch, Horticultural Science, AM
Robert J. Gunderson, E

Senior Fellow
Barbara L. Lukermann, Public Affairs, AM

Latin

Professor
Elizabeth S. Belfiore, FM
Gerald M. Erickson (emeritus), Independent Study, AM
Jackson P. Hershbell, FM
Eva C. Keuls, FM
Robert P. Sonkowsky, FM

Associate Professor
Nita Krevans, FM
Oliver P. Nicholson, FM
S. Douglas Olson, FM
Philip H. Sellew, AM
George A. Sheets, FM

Assistant Professor
Andre P. M. H. Lardinos, AM

Other
William D. Coulson, FM

Law

Professor
Stephen F. Befort, E
Karen B. Brown, E
David P. Bryden, E
Karen C. Burke, E
Laura Cooper, E
John J. Coulard, E
Daniel A. Farber, E
Barry C. Feld, E
Mary L. Fellows, E
Richard S. Frase, E
Philip P. Frickey, E
Daniel J. Gifford, E
Joan S. Howland, E
Robert E. Hudec, E
William D. Kilbourne, Jr., E
K. Bart Koeppen, E
Robert J. Levy, E
Donald G. Marshall, E
John H. Matheson, E
C. Robert Morris, E
Fred L. Morrison, E
Steve H. Nickles, E
Robert C. Park, E
Michael S. Paulsen, E
John a. powell, E
M. Kathleen Price, E
Stephen B. Scallen, E
Ferdinand P. Schoettle, Jr., E
Suzanna Sherry, E
Robert A. Stein, E
Michael Tomy, E
Gerald Torres, E
Thomas L. Waterbury, E
David Weissbrod, E
Judith T. Younger, E

Associate Professor
Edward S. Adams, E
Ann M. Burkhart, E
Jim C. Chen, E
Carol L. Chomsky, E
Tahirri V. Lee, E
Susan M. Wolf, E

Other
Carl Auerbach, E
Beverly Balos, E
Keith Bellairs, E
Victor H. Kramer, E
Maury S. Landsman, E
Kathryn J. Sedo, E
Stephen M. Simon, E
Carl M. Warren, E

Liberal Studies

Professor
Ronald R. Aminzade, Sociology, AM
Frederick M. Asher, Art History, AM
Kent R. Bales, English, AM
Subir K. Banerjee, Geology and Geophysics, AM
Laird H. Barber, Humanities Division, Morris, AM
Maria Gini, Computer Science, AM
William H. Hanson, Philosophy, AM
Roger S. Jones, Physics, AM
Jean D. Kinsey, Applied Economics, AM
Darrell R. Lewis, Educational Policy and Administration, AM
Paul T. Magie, Genetics and Cell Biology, AM
Judith A. Martin, Geography, AM
Toni A. H. McNaron, English, AM
David W. Noble, American Studies, AM
Robert J. Pone, Art History, AM
Dwight H. Purdy, Humanities Division, Morris, AM
Harvey B. Sarles, Cultural Studies and Comparative Literature, AM
Naomi B. Scheman, Philosophy, AM

Adjunct Professor
Aldo Rescigno, Pharmacy, AM

Associate Professor
Catherine E. B. Asher, Art History, AM
Arthur M. Hawks, Educational Policy and Administration, AM
Nicholas Hayes, AM
Nita Krevans, Classical and Near Eastern Studies, AM
Carol A. Miller, American Studies, AM
William E. Mishler, German, Scandinavian, and Dutch, AM
Ashok K. Singh, Veterinary Diagnostic Medicine, AM
David V. Taylor, General College, AM

Assistant Professor
C. Victor Pung, General College, AM
Julie R. Patterson-Pratt, Humanities Division, Morris, AM

Lecturer
Michael M. Andregg, University College, AM
Carol M. Bly, University College, AM
Donald R. Conroy, University College, AM
Stephen L. Daniel, University College, AM
Brenda Pila Stewart, University College, AM

Assistant Professor
Michael M. Andregg, University College, AM

Associate Professor
Catherine E. B. Asher, Art History, AM
Arthur M. Hawks, Educational Policy and Administration, AM
Nicholas Hayes, AM
Nita Krevans, Classical and Near Eastern Studies, AM
Carol A. Miller, American Studies, AM
William E. Mishler, German, Scandinavian, and Dutch, AM
Ashok K. Singh, Veterinary Diagnostic Medicine, AM
David V. Taylor, General College, AM

Assistant Professor
C. Victor Pung, General College, AM
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Lecturer
Michael M. Andregg, University College, AM
Carol M. Bly, University College, AM
Donald R. Conroy, University College, AM
Stephen L. Daniel, University College, AM
Brenda Pila Stewart, University College, AM

Assistant Professor
C. Victor Pung, General College, AM
Julie R. Patterson-Pratt, Humanities Division, Morris, AM

Lecturer
Michael M. Andregg, University College, AM
Carol M. Bly, University College, AM
Donald R. Conroy, University College, AM
Stephen L. Daniel, University College, AM

Lecturer
Michael M. Andregg, University College, AM

Linguistics

Professor
Andrew D. Cohen, FM
Genevieve J. Escure, English, AM
Jeanette K. Gundel, FM
Michael B. Kac, Philosophy, FM
Michael P. Maratos, Child Development, AM
Gerald A. Sanders (emeritus), FM
Amy L. Sheldon, Speech-Communication, FM
Joseph P. Stemberger, Communication Disorders, FM
Elaine E. Tarone, FM

Associate Professor
Bruce T. Downing, FM
Charles R. Fletcher, Psychology, AM
G. Lee Fullerton, German, Scandinavian, and Dutch, AM
Brity K. Kerr, French and Italian, AM
Carol A. Klee, Spanish and Portuguese, AM
Maria D. Sera, Child Development, AM
Nancy J. Stenson, FM
Polly E. Szatrowski, AM

Assistant Professor
Michael Hegarty, AM

Other
Joan Bachenko, AM
## Graduate Faculty

### Mechanics

**Regents' Professor**
- Daniel D. Joseph, FM

**Professor**
- Gordon S. Beavers, FM
- Roger Fosdick, FM
- William L. Garrard, FM
- Richard D. James, FM
- Thomas S. Lundgren, FM
- Mitchell B. Luskin, Mathematics, FM

**Associate Professor**
- Amy E. Alving, FM
- Gary J. Balas, FM
- Graham V. Caudle, FM
- Perry H. Leo, FM
- Ellen K. Longmire, FM
- Thomas W. Shield, FM
- Lev Truskovinsky, FM

**Adjunct Associate Professor**
- Dale F. Emns, FM

### Professor

- Calvin B. Kendall, English, E
- Anatoly Liberman, German, Scandinavian, and Dutch, E
- Louise Mirrer, Spanish and Portuguese, E
- Susan J. Noakes, French and Italian, E
- Thomas S. Noonan, History, E
- James A. Parente, Jr., German, Scandinavian, and Dutch, E
- William D. Phillips, Jr., History, E
- Kathryn L. Reyerson, History, E
- Robert P. Sonkowski, Classical and Near Eastern Studies, E
- Anthony N. Zahareas, Spanish and Portuguese, E

**Associate Professor**
- G. Lee Fullerton, German, Scandinavian, and Dutch, E
- Kaaren E. Grimstad, German, Scandinavian, and Dutch, E
- Michal A. Kohubalka, Theatre Arts, E
- Nita Krevans, Classical and Near Eastern Studies, E
- Randall L. Martinez, French and Italian, E
- Oliver P. Nicholsom, Classical and Near Eastern Studies, E
- John W. Steyart, Art History, E
- Ray M. Wakefield, German, Scandinavian, and Dutch, E
- John A. Watkins, English, E

### Other

- Stephanie C. Van D'Elden, E

### Microbial Ecology

**Professor**
- Martin Dworkin, Microbiology, E
- Arnold G. Fredrickson, Chemical Engineering and Materials Science, E
- Gregory R. Germaine, Oral Sciences, E
- Richard S. Hanson, Microbiology, E
- Timothy J. Kortt, Entomology, E
- David J. McLoughlin, Plant Biology, E
- Jean-Alex. E. Molina, Soil, Water, and Climate, E
- Philip J. Regal, Ecology, Evolution, and Behavior, E
- Palmer Rogers, Microbiology, E
- Michael J. Sadowsky, Soil, Water, and Climate, E
- G. David Timan, Ecology, Evolution, and Behavior, E
- Lawrence P. Wackett, Biochemistry, E

### Microbial Engineering

**Professor**
- Robert J. Brooker, Genetics and Cell Biology, AM
- Peter W. Carr, Chemistry, AM
- Paul P. Cleary, Microbiology, AM
- Gary M. Dunny, Microbiology, AM
- Anthony J. Faras, Microbiology, AM
- Michael C. Flickinger, Biochemistry, AM
- James A. Fuchs, Biochemistry, AM
- Richard S. Hanson, Microbiology, AM
- Alan B. Hooper, Genetics and Cell Biology, AM
- Wei-Shou Hu, Chemical Engineering and Materials Science, AM
- Theodore P. Llabreza, Food Science and Nutrition, AM
- R. Scott McVoor, Laboratory Medicine and Pathology, AM
- Larry L. McKay, Food Science and Nutrition, AM
- Larry L. McKay, Food Science and Nutrition, AM
- Matthew F. Messner, Laboratory Medicine and Pathology, FM
- Theodore R. Ogegma, Jr., Orthopaedic Surgery, FM
- Harry T. Orr, Laboratory Medicine and Pathology, FM
- Peter G. W. Plagemann, Microbiology, FM
- Gunhild R. Rao, Laboratory Medicine and Pathology, FM
- Palmer Rogers, Microbiology, AM
- Andreas Rosen, Laboratory Medicine and Pathology, FM
- Michael J. Sadowsky, Soil, Water, and Climate, FM
- Patrick M. Schleier, Microbiology, FM
- Lawrence B. Schok, Veterinary Pathobiology, FM
- Janet L. Schottel, Biochemistry, FM
- Keith M. Skubitz, Medicine, FM
- Michael V. Trai, Laboratory Medicine and Pathology, FM
- Daniel A. Vallera, Therapeutic Radiology, FM
- Brian G. Van Ness, Biochemistry, FM
- Gregory M. Vercellotti, Medicine, FM
- Catherine M. Verfaille, Medicine, FM
- Lawrence P. Wackett, Biochemistry, FM
- Lee W. Wattenberg, Laboratory Medicine and Pathology, FM
- Carol L. Wells, Laboratory Medicine and Pathology, FM

### Microbiology, Immunology, and Molecular Pathobiology

**Regents' Professor**
- Lynda B. Ellis, Laboratory Medicine and Pathology, AM
- Bernard E. Reilly, Oral Sciences, AM
- David H. Sherman, Microbiology, AM
- Peter Southern, Microbiology, AM
- Carsten R. Wagner, Medicinal Chemistry and Pharmacognosy, AM
- Daniel J. O'Sullivan, Food Science and Nutrition, AM

### Microbiology, Immunology, and Molecular Pathobiology

**Professor**
- Alfred F. Michaelis, Pediatrics, FM
- Khalil Ahmed, Otolaryngology, FM
- Dwight L. Anderson, Oral Sciences, FM
- Fred S. Apple, Laboratory Medicine and Pathology, FM
- Peter B. Bitterman, Medicine, FM
- Bruce R. Blazar, Pediatrics, FM
- Paul P. Cleary, Microbiology, FM
- Anah D. Cios, Biochemistry, FM
- Gary M. Dunny, Microbiology, FM
- Martin Dworkin, Microbiology, FM
- Anthony J. Faras, Microbiology, FM
- Leo T. Furcht, Laboratory Medicine and Pathology, FM
- Vincent F. Garry, Laboratory Medicine and Pathology, FM
- Gregory R. Germaine, Oral Sciences, FM
- Dale S. Gregerson, Ophthalmology, FM
- Ashley T. Haase, Microbiology, FM
- Richard S. Hanson, Microbiology, FM
- Robert P. Hebbel, Medicine, FM
- Alan B. Hooper, Biochemistry, FM
- Harry S. Jacob, Medicine, FM
- Marc K. Jenkins, Microbiology, FM
- Russell C. Johnson, Microbiology, FM
- Frank W. Kersey, Laboratory Medicine and Pathology, FM
- Tucker W. LeBien, Laboratory Medicine and Pathology, FM
- Kristin A. Hogquist, Laboratory Medicine and Pathology, FM
- Linda K. Hansen, Laboratory Medicine and Pathology, FM
- Fred S. Apple, Laboratory Medicine and Pathology, FM
- David H. Sherman, Microbiology, FM
- Yoji Shimizu, Laboratory Medicine and Pathology, FM
- Amy P. Skubitz, Laboratory Medicine and Pathology, FM
- Peter Southern, Microbiology, FM
- Carsten R. Wagner, Medicinal Chemistry and Pharmacognosy, FM

### Assistant Professor

- Timothy B. Behrens, Medicine, FM
- Judith G. Berman, Plant Biology, FM
- Kathleen F. Conklin, Microbiology, FM
- Lynda B. Ellis, Laboratory Medicine and Pathology, FM
- Aljos Eric, Laboratory Medicine and Pathology, FM
- William B. Gleason, Laboratory Medicine and Pathology, FM
- Betsy A. Hirsch, Laboratory Medicine and Pathology, FM
- Ronald R. W. Jemmerson, Microbiology, FM
- Daniel L. Mueller, Medicine, FM
- Christopher A. Pennell, Laboratory Medicine and Pathology, FM
- Leslie A. Schiff, Microbiology, FM
- David H. Sherman, Microbiology, FM
- Yoji Shimizu, Laboratory Medicine and Pathology, FM
- Amy P. Skubitz, Laboratory Medicine and Pathology, FM
- Peter Southern, Microbiology, FM
- Carsten R. Wagner, Medicinal Chemistry and Pharmacognosy, FM

### Assistant Professor

- Mitchell S. Abrahamsen, Veterinary Pathobiology, FM
- Vivian J. Bardwell, Biochemistry, FM
- Frederick T. Boyd, Laboratory Medicine and Pathology, FM
- Linda K. Hansen, Laboratory Medicine and Pathology, FM
- Kristin A. Hoggatt, Laboratory Medicine and Pathology, FM
- Stephen C. Jameson, Laboratory Medicine and Pathology, FM
- Vivek Kapur, Veterinary Pathobiology, FM
- David A. Largaspada, Laboratory Medicine and Pathology, FM
- Brett K. Leavy-Young, Surgery, FM
- Daniel L. Mooradian, FM
- Bruce K. Walcheck, Veterinary Pathobiology, FM
Lecturer
Agustin P. Dalmaso, Medicine, FM

Research Associate
Rod M. Feddersen, Laboratory Medicine and Pathology, AM

Molecular, Cellular, Developmental Biology and Genetics
Regents’ Professor
Ronald L. Phillips, Agronomy and Plant Genetics, FM
James G. White, Laboratory Medicine and Pathology, FM

Professor
Dwight L. Anderson, Oral Sciences, FM
Susan A. Berry, Pediatrics, FM
Robert M. Brambl, Plant Biology, FM
Robert J. Brooker, Genetics and Cell Biology, FM
Bianca M. Conti-Fine, Biochemistry, FM
Edward H. Egelman, Cell Biology and Neuroanatomy, FM
Robert P. Eldle, Cell Biology and Neuroanatomy, FM
Anthony J. Faras, Microbiology, FM
James A. Fuchs, Biochemistry, FM
Leo T. Furcht, Laboratory Medicine and Pathology, FM
Stuart F. Goldstein, Genetics and Cell Biology, FM
Dale S. Gregerson, Ophthalmology, FM
Perry B. Hackett, Genetics and Cell Biology, FM
Stephen C. Ekker, Biochemistry, FM
Vivian J. Bardwell, Biochemistry, FM

Associate Professor
Timothy W. Behrens, Medicine, FM
Judith G. Berman, Plant Biology, FM
Kathleen F. Conklin, Microbiology, FM
William B. Dobyns, Neurology, E
J. Stephen Gantt, Plant Biology, FM
Thomas S. Hays, Genetics and Cell Biology, FM
Betsy A. Hirsch, Laboratory Medicine and Pathology, AM
Maria K. Hordinsky, Dermatology, E
Victoria Iwani, Genetics and Cell Biology, FM
M. David Marks, Genetics and Cell Biology, FM
Neil E. Olzews, Plant Biology, FM
Mary E. Pierpoint, Pediatrics, FM
Mary E. Porter, Cell Biology and Neuroanatomy, FM
Anne E. Rougvie, Genetics and Cell Biology, FM
Joceyln E. Shaw, Genetics and Cell Biology, FM
Yoji Shimizu, Laboratory Medicine and Pathology, FM
Raymond E. Sicard, Surgery, FM
Jeffrey A. Simon, Biochemistry, FM
Amy P. Skubitz, Laboratory Medicine and Pathology, FM

Assistant Professor
Vivan J. Bardwell, Biochemistry, FM
Linda M. Boland, Physiology, FM
Linda H. Burns, Obstetrics and Gynecology, E
Electa C. Coucouvanis, Cell Biology and Neuroanatomy, FM
Stephen C. Eiker, Biochemistry, FM
Kristin A. Hogquist, Laboratory Medicine and Pathology, FM
Stephen C. Jameson, Laboratory Medicine and Pathology, FM
David A. Largaespada, Laboratory Medicine and Pathology, FM
Brett K. Levy-Avng, Surgery, AM
Sue V. Petzel, Obstetrics and Gynecology, E
Laura P. W. Ramun, Neurology, FM
Kenneth P. Roberts, Cell Biology and Neuroanatomy, FM
Myra Wick, Laboratory Medicine and Pathology, FM
David A. Zarkower, Biochemistry, FM

Other
Mary J. Aherms, E
Shari R. Baldinger, E
Bonnie A. Hatten, E
Beth A. Henderson-Conrad, E
Bonnie S. LeRoy, AM
Carol J. Ludowe, E
Vicki L. Matthias Hagan, E
Melissa P. Mussel, E
Karl R. Rubin, E
Trine L. Shimota, E
Alvyia B. Spear, E
Catherine M. Walsh Vockley, E

Molecular Veterinary Biosciences

Professor
Trevor R. Ames, Clinical and Population Sciences, FM
Alvin J. Beitz, Veterinary Pathobiology, FM
James E. Collins, Veterinary Diagnostic Medicine, FM
Michael F. Murtagh, Veterinary Pathobiology, FM
Scott M. O’Grady, Animal Science, FM
John W. Osborn, Animal Science, FM
F. Abel Ponce de Leon, Animal Science, FM
Lawrence B. Schook, Veterinary Pathobiology, FM
Michael P. Schutz, Veterinary Pathobiology, FM

Associate Professor
Mathur S. Kannan, Veterinary Pathobiology, AM
Rick L. Nelson, Veterinary Pathobiology, AM
Stephanie J. Valberg, Clinical and Population Sciences, FM

Assistant Professor
Mitchell S. Abrahamsen, Veterinary Pathobiology, FM
Lesan J. Alexander, Veterinary Pathobiology, FM
Vivek Kapur, Veterinary Pathobiology, FM
Mark S. Rutherford, Veterinary Pathobiology, FM
Bruce K. Walcheck, Veterinary Pathobiology, FM
Lawrence B. Schook, Veterinary Pathobiology, FM

Graduate Faculty

271
Clinical Professor
Michael A. Raftery, Biochemistry, FM
Philip S. Portoghese, Medicinal Chemistry
Donald B. Hunninghake, FM
Ira M. Eisenberg, School of Medicine,
Bianca M. Conti-Fine, FM
Professor
Michael D. Marks, Genetics and Cell
Biology, FM
J. Stephen Gantt, Plant Biology, FM
Associate Professor
John H. Anderson, AM
Lawrence R. Boies, Jr., AM
Kathleen Ann Daly, AM
Markus Gapany, AM
George S. Goding, Jr., AM
Peter A. Hilger, AM
David B. Hom, AM
Eric Javel, FM
Samuel C. Levine, AM
Robert H. Maisel, AM
Clinical Associate Professor
Marcos V. Goycoolea, AM
Stephen L. Lison, AM
Assistant Professor
Gail S. Donaldson, AM
David D. Hamler, AM
Lisa L. Hunter, AM
Mario J. Inoula, AM
Rick M. Odland, AM
Franklin L. Rimell, AM
Edward H. Sazachowicz II, AM
Pharmaceutics
Professor
David F. W. Grant, FM
Yueh-Er H Rahman, FM
Ronald J. Sawchuk, FM
Adjunct Professor
William H. Froy II, Pharmacy, AM
Henry H. Mantsch, Pharmacy, AM
Aldo Rescigno, Pharmacy, AM
Associate Professor
Raj Srivastavaran, FM
Timothy S. Weidmann, FM
Cheryl L. Zimmerman, FM
Adjunct Associate Professor
Walid Aswini, Pharmacy, AM
Michael D. Karol, Pharmacy, AM
Assistant Professor
David B. Mastors, AM
Eric J. Munson, Chemistry, AM
Other
Keith K. Chan, AM
Lawrence J. Felice, AM
Ronald A. Siegel, AM
Pharmacology
Professor
Bianca M. Conti-Fine, FM
Richard M. Eisenberg, School of Medicine,
Duluth, FM
Robert P. Elde, Cell Biology and
Neuroanatomy, FM
Esam E. El-Fakahany, FM
Patrick E. Hanna, FM
Stephen S. Hecht, Laboratory Medicine and
Pathology, FM
Jordan L. Holtzman, FM
Donald B. Humminglake, FM
Ping-Yee Law, FM
Horace H. Loh, FM
Paul R. Pentel, FM
Philip S. Portoghese, Medicinal Chemistry and
Pharmacognosy, FM
Michael A. Raftery, Biochemistry, FM
Jean F. Regal, School of Medicine, Duluth, FM
Virginia S. Seybold, Cell Biology and
Neuroanatomy, FM
Alan R. Sinaiko, AM
Norman E. Sladek, FM
Sheldon B. Sparber, FM
George J. Trachte, School of Medicine,
Duluth, FM
Kendall B. Wallace, School of Medicine,
Duluth, FM
George L. Wilcox, FM
Wellington G. Wood III, FM
Ben G. Zimmerman, FM
Associate Professor
Colin R. Campbell, FM
Earl W. Dunham, FM
Edward T. Keych, School of Medicine,
Duluth, AM
Rita B. Messing, AM
Louise M. Nutter, FM
Aloyius J. Quebbemann, FM
Sanjaram Ramakrishnan, FM
Stanley A. Thayer, FM
Timothy F. Walsh, FM
Assistant Professor
Frank H. Burton, FM
Gregory J. Connell, FM
Hiroshi Hisa, FM
Daqning Pei, FM
Daniel P. Romero, FM
Sabita Roy, FM
Mehmet Sofuoğlu, E
Elizabeth V. Wattenberg, E
Li-Na Wei, FM
Instructor
Lakshmi Subramaniam, E
Research Associate
Leonard Lichtblau, AM
Philosophy
Professor
Elizabeth S. Belfiore, Classical and Near
Eastern Studies, FM
Norman E. Bowie, Strategic Management,
FM
Norman O. Dahl, FM
Marcia M. Eaton, FM
Ronald N. Giere, FM
Jeanette K. Gundel, Linguistics and Asian
Philosophy
Research Associate
Nancy G. Murphy, AM
Assistant Professor
Jeffrey P. Kahn, Public Health, FM
Assistant Professor
Sarah W. Holman, AM
Physical Therapy
Professor
Richard P. DeFabio, FM
Robert P. Patterson, AM
Associate Professor
James R. Carey, AM
Judith E. Reisman, AM
Glenn N. Scudder, E
Erica B. Stern, AM
Assistant Professor
Paula M. Ludewig, AM
LaDora V. Thompson, AM
Instructor
Kathleen Anderson, E
Beth Ann Fouoaid, E
Kirsten Ness, E
Associate Clinical Specialist
Marguerite P. Gardner, E
Physics
Professor
Benjamin F. Bayman, FM
John H. Broadhurst, FM
Charles E. Campbell, FM
James R. Chelikowsky, Chemical
Engineering and Materials Science, FM
Hans W. Courant, FM
E. Dan Dahlberg, FM
Dietrich K. Dehnhard, FM
Paul J. Ellis, FM
Stephen G. Gao, FM
Robert D. Gebrar, FM
Clayton F. Giese, FM
Leonid Glazman, FM
Allen M. Goldman, FM
J. Woods Halley, FM
Kenneth Heller, FM
Yutaka Hosotani, FM
Cheng-Cher Huang, FM
Roger S. Jones, FM
Thomas W. Jones, Astronomy, FM
Joseph I. Kapusta, FM
Paul J. Kellogg, FM
Anatoly Larkin, FM
Robert L. Lyons, FM
Erwin Markert, FM
Marvin Marshak, FM
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Engineering and Materials Science, FM
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Genetics, FM
Professor
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Genetics, FM
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Climate, FM
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Biology, FM
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Biology, FM
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Genetics, FM
Joseph R. Sowokinos, Horticultural
Science, FM
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Genetics, FM
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FM
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Iris D. Charvat, Plant Biology, FM
John H. Gorman, Plant Biology, FM
Michael D. Marks, Genetics and Cell
Biology, FM
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Neil E. Olczewski, Plant Biology, FM
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Alan G. Smith, Horticultural Science, FM
Thomas K. Soulen, Plant Biology, AM
Cindy B. Tong, Horticultural Science, AM

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Ronald J. Faber, Journalism and Mass Communication, E
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David W. Johnson, Educational Psychology, E
Paul E. Johnson, Information and Decision Sciences, E

Geoffrey M. Maruyama, Educational Psychology, E
James R. Rest, Educational Psychology, E
W. Phillips Shively, Political Science, E
Mark Snyder, Psychology, E
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Aske Tellegen, Psychology, E
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Ethan B. Kapstein, AM
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William A. Diaz, AM
Marsha A. Freeman, AM
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Judith M. Garrard, Public Health, E
Susan G. Gerberich, E
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Susan E. Nicol, AM
Deniz S. Ones, AM
Alexander J. Rothman, AM
Scott R. Spohnheim, AM
Jeanne L. Tsai, AM
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Fellow
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Judith M. Garrard, Public Health, E
Susan G. Gerberich, E
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Michael D. Resnick, Pediatrics, E
Robert L. Veninga, E
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Vicki L. Horton, AM
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Morris M. Klein, AM
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Gary Parker, Civil Engineering, FM
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C. Ford Runge, Applied Economics, FM
Mark W. Seeley, Soil, Water, and Climate, FM

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Terrance P. O'Leary, Veterinary Diagnostic Medicine, AM
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David W. Hayden, Veterinary Diagnostic Medicine, FM
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Kabamthi V. Nagaraja, Veterinary Pathobiology, FM
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Michael Pullen, Clinical and Population Sciences, AM
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Sita R. Tatini, Food Science and Nutrition, FM
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Larry J. Wallace, Small Animal Clinical Sciences, FM
Mary M. Walser, Veterinary Pathobiology, FM
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Jonathan E. Wheaton, Animal Science, FM

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Vivek Kapur, Veterinary Pathobiology, FM
Yuzo Koketsu, Clinical and Population Sciences, E
Inti Lang Xoe, Clinical and Population Sciences, E

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Scott A. Dee, Clinical and Population Sciences, AM

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Paula K. Hendrix, Small Animal Clinical Sciences, AM
Sheila M. Torres, Small Animal Clinical Sciences, AM

Assistant Clinical Specialist
Erin D. Malone, Clinical and Population Sciences, E
Margaret V. Root Kustritz, Small Animal Clinical Sciences, AM

Water Resources Science

Adjunct Professor
Dan Hornbach, Fisheries and Wildlife, AM

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Inns D. Charvat, Plant Biology, AM
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Howard D. Moeers, Geology, Duluth, FM
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Bruce N. Wilson, Biosystems and Agricultural Engineering, FM

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Raymond N. Hożalski, Civil Engineering, AM
Katherine Klink, Geography, AM
Paige J. Novak, Civil Engineering, AM
Elise A. Ralph, Physics, Duluth, AM
Clive F. Reece, Soil, Water, and Climate, AM

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**Research Associate**
Richard P. Axler, Duluth, AM
Carl Richards, Duluth, FM

**Other**
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Elon S. Verry, AM

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