# COMMENCEMENT WINTER 2014

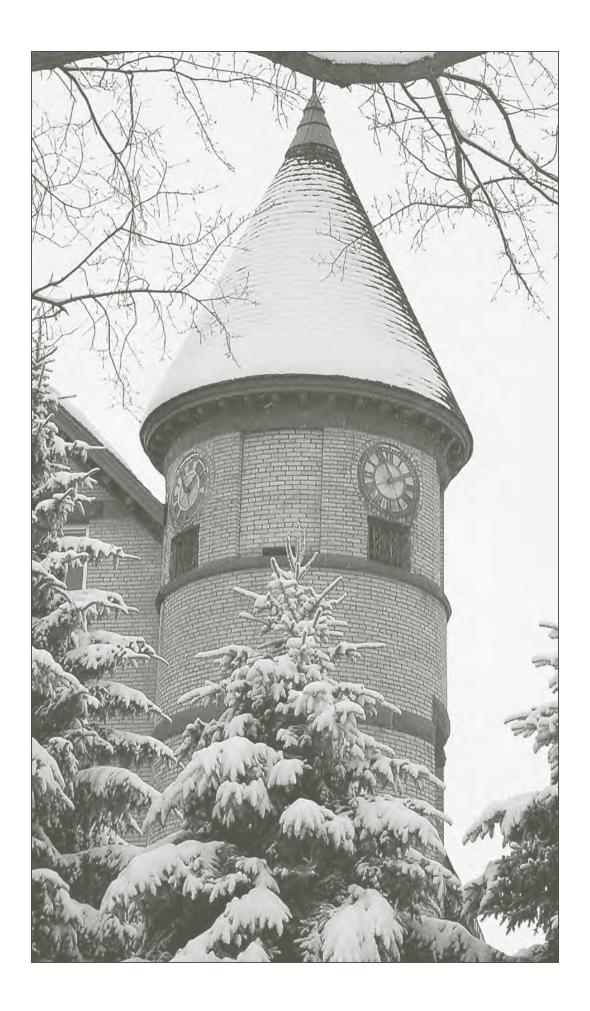
#### PHOTOGRAPHS

Professional photographers will be available to photograph each degree candidate before and during the ceremony. Degree candidates will receive information from Lifetouch Photography regarding the option to purchase prints. Photos can be viewed and purchased through http://events.lifetouch.com.

Guests may not enter the field level.

DVD COPIES OF CEREMONY

DVD ordering information can be found at www.ndsu.edu/registrar/commencement.



# NDSU NORTH DAKOTA STATE UNIVERSITY

# WINTER COMMENCEMENT DECEMBER 19, 2014

#### President Dean L. Bresciani presiding

PROCESSIONAL. POMP AND 6 North Dakota	State University Brass Ensemble
	Dr. Jeremy Brekke, Conductor
PRESENTATION OF THE COLORS	NDSU ARMY ROTC BATTALION
Michael Petyo III, Candida	State University Brass Ensemble Dr. Jeremy Brekke, Conductor ate for Bachelor of Music degree
Please remove your caps and remain standing until after the singir	g of the National Anthem.
WELCOME AND REMARKS	PRESIDENT BRESCIANI
GREETINGS	DR. KEVIN MELICHER State Board of Higher Education
INTRODUCTION OF STUDENT SPEAKER	DR.TIMOTHY ALVAREZ  Vice President for Student Affairs
·	

PRESENTATION OF CANDIDATES
FOR DEGREES
CONFERRAL OF DEGREES
PRESENTATION OF COLLEGES  Graduate and Interdisciplinary Studies
CLOSING REMARKS
NDSU SCHOOL SONGTHE YELLOW AND THE GREEN, MINARD-PUTNAN North Dakota State University Brass Ensemble Dr. Jeremy Brekke, Conducto Michael Petyo III, Candidate for Bachelor of Music degree
RECESSIONAL CROWNING GLORY, ALFRED REEI  North Dakota State University Brass Ensemble  Dr. Jeremy Brekke, Conducto

Please remain seated until the recessional concludes.

# CLASS REPRESENTATIVE

**Heather Bergan Roller,** who grew up in Bismarck, North Dakota, is receiving a Doctor of Philosophy degree in cellular and molecular biology. She was the instructor for the Endocrinology course at NDSU and twice organized the Northern Plains Biological Symposium. Active on the NDSU campus, she served as treasurer, vice president and president for the Biological Science Graduate Student Association. Roller was a member of the organizing committee for Darwin Day in 2013 and 2014. Her local volunteer activities range from serving as a health instructor at the Fargo YMCA to walking dogs for the Homeward Animal Shelter. In addition, she was a volunteer for the Bismarck Marathon, Cherries for Charity and the McQuade Charity Softball Tournament. Roller is an experienced public speaker, having given presentations at two international conferences and two local symposia. Roller earned her bachelor's degree in zoology from NDSU in 2010.

# COMMENCEMENT SOLOIST

**Michael Petyo** is from Coon Rapids, Minnesota. He is receiving a Bachelor of Music degree in vocal music education, with a minor in instrumental music education. He was the vice president of the NDSU Concert Choir during the 2013–14 academic year. His many other student music activities include the NDSU Madrigal Singers, BisonArts Singers and NDSU Opera. He played the role of Sarastro in the 2013 opera production of Mozart's "The Magic Flute." In addition, he earned three first place titles in North Dakota National Association of Teachers of Singing competitions. Petyo's immediate goal following graduation is to secure a teaching position in the Fargo-Moorhead or Twin Cities area.

## CANDIDATES FOR

# GRADUATE DEGREES

Candidates to be presented by Dean David Wittrock and marshaled by Dr. Herb Snyder, Dr. James Deal and Dr. Stephenson Beck and student marshal Nicholee Lange.

#### DOCTOR OF MUSICAL ARTS

#### Mary E. Walker

Brookings, South Dakota

B.M., University of Northern Colorado

M.E., University of Sioux Falls

M.M., San Francisco Conservatory of Music

"John Field's Piano Concerto No. 1

Adviser: Dr. Andrew Froelich

#### DOCTOR OF NURSING PRACTICE

#### Robbie J. Carroll

Logan, Utah

B.S.N., Brigham Young University

"Improving Care for Depression as Provided in the Family Practice Setting"

Adviser: Dr. Norma Kiser-Larson

#### Karon J. Garrett

Fargo, North Dakota

B.S.N., South University

"Development of Prenatal Educational Library in the Somali Language for Family Healthcare"

Adviser: Dr. Tina Lundeen

#### Amanda R. Johnson

Moorhead, Minnesota

B.A., Concordia College "Creation of Continuing Education Modules

Addressing Leadership Development Components Applicable to Nurse Practitioners in the State of North Dakota'

Adviser: Dr. Carla Gross

#### Jason B. Nupdal

Hallock, Minnesota

B.S.N., University of North Dakota

"Implementing Clinical Practice Guidelines in Family Practice: Caring for Children with ADHD"

Adviser: Dr. Dean Gross

#### DOCTOR OF PHILOSOPHY

#### Fikadu L. Alema Materials and Nanotechnology

Addis Ababa, Ethiopia

B.Ed., Bahir Dar University

M.S., University of Aveiro, Hamburg-Harburg University of Technology, Aalborg University

M.S., Addis Ababa University

"Multicomponent Doped Barium Strontium Titanate Thin Films for Tunable Microwave Applications"

Adviser: Dr. Konstantin Phohodnya

#### Khalid A. Alemerien Software Engineering

Fargo, North Dakota

B.S., Mu'tah University

M.S., North Dakota State University

M.S., Arab Academy for Banking and Financial Sciences "Metrics and Tools to Guide Design of Graphical

User Interfaces'

Adviser: Dr. Kenneth Magel

#### Saba Z. Al-Kaseasbeh Mathematics

Amman, Jordan

B.S., Mu'tah University

M.S., Mu'tah University

"Ideal Graphs"

Adviser: Dr. Benton Duncan and

Dr. James Coykendall

#### Sahar I. Arabiat Plant Pathology

Fargo, North Dakota

B.S., University of Jordan

M.S., University of Jordan

"Sensitivity of Rhizoctonia solani and Aphanomyces cochlioides to Fungicides, and Fitness of Tetraconzole-resistant Isolates of Cercospora beticola after Exposure to Different Temperature Regimes

Adviser: Dr. Mohamed Khan

#### Anusha Balangoda, Environmental and

Conservation Science

Baduwatta, Sri Lanka

B.Sc., University of Ruhuna

"Impact of Artificial Aeration on Nutrients

in a Small Eutrophic Lake"

Adviser: Dr. Shafiqur Rahman

#### Paul R. Barnhart Environmental and

Conservation Sciences

New England, North Dakota B.S., North Dakota State University

"The Distribution and Habitat Use

of North Dakota Bats'

#### Adviser: Dr. Erin Gillam

Mark T. Batell Mathematics La Crosse, Wisconsin

B.S., Viterbo University

"The Half-Factorial Property in Polynomial Rings"

Advisers: Dr. James Coykendall and

Dr. Benton Duncan

#### Raphael W. Colbert Plant Sciences

Pétionville, Haiti

B.A.S., Quisqueya University

M.S., University of Puerto Rico

"Towards the Development of a Gene-based Eco-physiology Model for Common Bean: Genotype by Environment Interactions"

Adviser: Dr. Juan Osorno

#### Elena De La Pena Cereal Science

Burgos, Spain

B.S., University of Burgos

M.S., University of Burgos

"Manufacturing Optimization of Non-Traditional Pasta Products"

Adviser: Dr. Frank Manthey

#### Ahmed El-Fatih El-Doliefy Plant Sciences

Fargo, North Dakota

B.S., Ain Shams University

M.S., Ain Shams University

"Molecular Mapping of Fusarium Head Blight Resistance in Two Adapted Spring Wheat Cultivars"

Adviser: Dr. Mohamed Mergoum

#### Yang Gao Plant Sciences

Harbin, China

B.S., Northeast Agricultural University

M.S., North Dakota State University

"Phytoremediation of Soils Contaminated by Oil and Gas Drilling and Production Operations Using Grass Species"

Adviser: Dr. Deying Li

#### Julie L. Grabanski Education

Grand Forks, North Dakota B.S., University of North Dakota

M.S., Central Michigan University

"The Experiences of Occupational Therapy Clinicians Transitioning to the Role of Faculty Member: Implications for Faculty Development"

Adviser: Dr. Claudette Peterson

#### Kara E. Gravley-Stack Education

Horace, North Dakota

B.A., Augustana College

M.S., Minnesota State University Moorhead "Achieving Inclusive Excellence:The Role of Change Agents and Institutional Artifacts in Diversifying Institutions"

Adviser: Dr. Claudette Peterson

#### Chunju Gu Materials and Nanotechnology

Nantong, China

M.S., Donghua University

B.S., Donghua University

"Experimental Evaluation of Multiscale Behavior of Human Bone"

Adviser: Kalpana Katti

# **Irene Harper** Counselor Education and Supervision Taylor, North Dakota

M.S., University of Nebraska Omaha

B.A., University of North Dakota

"Examining the Psychometric Properties of an Instrument Measuring Treatment Fidelity of Offenders Participating in Moral Reconation Therapy"

Adviser: Dr. Brenda Hall

#### Yangbo He Soil Science

Baoding, China

B.S., Northeast Agricultural University

M.S., North Dakota State University

"Sodic Soil Swelling and Dispersion and Their Implications for Water Movement and Management"

Adviser: Dr. Thomas DeSutter

# **Andrea L. Huseth-Zosel** Human Development Fargo, North Dakota

B.A., North Dakota State University

M.S., North Dakota State University

"Health Care Provider Anticipatory Guidance Provision Related to Driving Safety/Cessation for Older Drivers"

Adviser: Dr. Gregory Sanders

#### Maher N. Itani Transportation and Logistics

Beirut, Lebanon

M.S., Beirut University College

B.S., Beirut University College

"Dynamics of Deprivation Cost in Last Mile Distribution: The Integrated Resource Allocation and Vehicle Routing Problem"

Adviser: Dr. Rodney Traub

#### Samad Javid Mechanical Engineering

Woodbury Minnesota

B.S., Shiraz University

M.S., Shiraz University

"Optimized Evaluation of Bone Tissue Material Properties by Inverse Finite Element Analysis and Femur Fracture Testing"

Adviser: Dr. Ghodrat Karami

# **Andrew Kubas** Natural Resources Management Fargo, North Dakota

B.A., University of Minnesota

M.S., North Dakota State University

"Driver Attitudes and Crash Patterns in Western North Dakota Oil Counties: Links Between Perceptions and Reality"

Adviser: Dr. Gary Goreham

#### **Olena Kudina** Coatings and Polymeric Materials Lviv, Ukraine

B.S., Lviv Polytechnic National University

M.S., Lviv Polytechnic National University

"Responsive Polymer-Based Colloids for Drug Delivery and Bioconversion"

Adviser: Dr. Andriy Voronov

#### Elango Kumarasamy Chemistry

Kallimandayam, India

B.S., St. Joseph's College

M.S., Madras Christian College

"Stereospecific Phototransformations

of Atropisomeric Chromophores"

Adviser: Dr. Sivaguru Jayaraman

#### Julie A. Kuruc Food Safety

Colfax, North Dakota

B.S., University of Minnesota

"Ochratoxin A and Ochratoxigenic Fungi in Freshly Harvested and Stored Barley and Wheat"

Adviser: Dr. Charlene Hall

# **Ting Li** Electrical and Computer Engineering Beijing, China

B.E., China University of Mining and Technology M.E., China University of Mining and Technology

"Performance Enhancement of Pipeline ADCs"

Adviser: Dr. Chao You

Sigian Liu Electrical and Computer Engineering

## Changsha, China

B.S., Huazhong University of Science and Technology "Network Convergence in Multicarrier Hybrid Cellular Network"

Adviser: Dr. Hongxiang Li and

Dr. Benjamin Braaten

#### Muhammad Mubeen Masud Electrical and

Computer Engineering

Lahore, Pakistan

B.S., University of Engineering and Technology Lahore M.S., Royal Institute of Technology

"Network Convergence in Multicarrier Hybrid Cellular Network"

Adviser: Dr. Benjamin Braaten

#### Febina Mathew Plant Pathology

Fargo, North Dakota

B. Tech., Indian Institute of Technology

M.S., North Dakota State University

"Molecular Characterization and Pathogenicity of Sunflower Stem Pathogens"

Adviser: Dr. Samuel Markell

#### Mona Mazaheri Plant Sciences

Tehran, Iran

B.S., Tehran University

M.S., Tehran University

"Radiation Hybrid Mapping of Barley Chromosome 3H"

Adviser: Dr. Mohamed Mergoum

#### Varsha Meghnani Pharmaceutical Sciences

Kota, India

B. Pharm., Mohanlal Sukhadia University

M.S., National Institute of Pharmaceutical Education and Research

"RAGE (Receptor for Advanced Glycation End Products) in Melanoma Progression"

Adviser: Dr. Estelle Leclerc

#### Chaudhry A. Mehmood Electrical and

Computer Engineering

Abbottabad, Pakistan

B.S., CECOS University of Information Technology and Emerging Sciences

M.S., University of Sheffield

"A New Methodology for the Design and Tuning of Robust PID Controllers in Electric Drives"

Adviser: Dr. Rajesh Kavasseri

**Syed Aftab Naqvi** Electrical and Computer Engineering

Sahiwal, Pakistan

B.S., Bahauddin Zakariya University Multan

M.Phil., Quaid-i-Azam University

M.S., Quaid-i-Azam University

"A Compact Cylindrical-Shape Microstrip Structure with Cloaking Properties for Mutual Coupling Reduction in Array Antennas"

Adviser: Dr. Benjamin Braaten

#### Susan Olet Statistics

Jinja, Uganda

B.S., Makerere University

M.S., Limburg University Center

M.S., Universiteit Hasselt

"Proposed Nonparametric Tests for the Simple Tree Alternative in a Mixed Design"

Adviser: Dr. Rhonda Magel

#### **Heather E. Roller** Cellular and Molecular Biology Bismarck, North Dakota

B.S., North Dakota State University

"Nutritional Regulation of Growth Hormone-Stimulated Lipolysis"

Adviser: Dr. Mark Sheridan

#### Priyankar Samanta Molecular Pathogenesis

Fargo, North Dakota

B.S., North Dakota State University

M.S., North Dakota State University

"Gene Regulation and Evolution in Escherichia coli Biofilms"

Adviser: Dr. Birgit Pruess

#### Sumadhur Shakya Transportation and Logistics

Marina, California

B.S., Punjab Agricultural University

M.S., North Dakota State University

"Structural Changes in North American Fertilizer Logistics"

Adviser: Dr. William Wilson

#### Gitanjali Sharma Pharmaceutical Sciences

Chandigarh, India

B. Pharm., Panjab University

M.Pharm., Banaras Hindu University

"Dual Modified Liposomes for Drug and Gene Delivery to Brain"

Adviser: Dr. Jagdish Singh

#### Lakesh K. Sharma Soil Science

Bathinda, India

B.S., Guru Nanak Dev University

M.S., Punjab Agricultural University

"Evaluation of Active Optical Ground-Based Sensors to Detect Early Nitrogen Deficiencies in Corn"

Adviser: Dr. David Franzen

#### Matthew P. Shatzkin Transportation and Logistics

Kansas City, Missouri

B.A., Trinity University

M.S., Webster University

"The Impact of Automated Requisitioning Systems on the Effectiveness of Emergency Supply Chains" Adviser: Dr. Rodney Traub

#### Gongjun Shi Genomics and Bioinformatics

Weifang, China

B.S., Shangdong Agricultural University

M.S., Nanjing Agricultural University

"Identification and Genomic Analysis of Stagonospora Nodorum Blotch Susceptibility

Genes in Wheat" Adviser: Dr. Jack Rasmussen

#### Ali Soltani Plant Sciences

Tehran, Iran

B.S., Azad University

M.S., University of Tehran

"Nuclear-Cytoplasmic Interaction Analysis: A Critical Step of Wheat Germplasm Enhancement"

Adviser: Dr. Mohamed Mergoum

#### Brianna Stenger Environmental and

Conservation Science

Hillsboro, North Dakota

B.S., North Dakota State University

"Methods for the Detection

of Cryptosporidium parvum"

Adviser: Dr. John McEvoy

#### Abhijit J. Suryawanshi Coatings and

Polymeric Materials

Thane E, Maharashtra, India

B. Tech., Rashtrasant Tukadoji Maharaj

Nagpur University

"Synthesis, Characterization and Applications of Electroactive Polymeric Nanostructures for Organic Coatings"

Adviser: Dr. Victoria Gelling

#### Misti D. Vogle Education

Hebron, North Dakota

B.A., Minot State Universtiy

M.B.A., Minot State University

"Instructors' Attitudes Toward Online Visual Art Courses: Impact of Technology Experience and Incentives"

Adviser: Dr. Claudette Peterson

#### Michelle A. Westbrock Counselor Education

and Supervision

Bismarck, North Dakota

B.S., University of Mary

M.S., California State University, Bakersfield "Counselors' Perceptions of the Mental Health Aspects of Infertility for Heterosexual Women" Adviser: Dr. Jill Nelson

#### Mark T. Wiltermuth Environmental and

Conservation Science

Jamestown, North Dakota

B.S.A.S., University of Minnesota Duluth

"Influences of Climate Variability and Landscape Modifications on Water Dynamics, Community Structure, and Amphipod Populations in Larger Prairie Wetlands: Implications for Waterbird Conservation"

Adviser: Dr. Mark Clark

#### Hui Xu Chemistry

Hubei, China

B.S., Hubei University

M.S., Hubei University

"Enhanced Sensitivity of Lateral Flow Strip Biosensor Based on Enzymatic Reaction and Nanomaterials"

Adviser: Dr. Guodong Liu

#### Songbo Xu Mechanical Engineering

Hanzhong, China

B.E., China University of Mining and Technology M.E., China University of Mining and Technology "Mechanical and Tribological Properties of Carbon Nanofiber Reinforced High Density Polyethylene" Adviser: Dr. Xiangqing Tangpong

#### Jing Zhang Chemistry

Liaocheng, China

B.S., Qingdao University

M.S., Shanghai Institute of Applied Physics, Chinese Academy of Sciences

"New Strategies for Ruthenioum Catalyzed C-C Formation"

Adviser: Dr. Pinjing Zhao

#### **Zhengping Zhou** Materials and Nanotechnology Fargo, North Dakota

B.S., Hunan University of Science and Engineering M.E., Jiangxi Normal University

"Synthesis and Characterization of Novel Hierarchically Functionalized Carbon Nanofibers for Energy Conversion and Storage Applications" Adviser: Dr. Xiangfa Wu

#### MASTER OF ACCOUNTANCY

**Yuying Dong** Wenhai, China B.S., Shandong University of Technology

Justin W. Fox Hartford, Arkansas

B.S., Arkansas Tech University

Justin J. Kill Morris, Minnesota

B.S., Minnesota State University Moorhead

**Joshua Kodet** Northfield, Minnesota B.S., North Dakota State University

**Nolan A. Larson** Wahpeton, North Dakota B.S., North Dakota State University

**Seth T. Nicolai** New Rockford, North Dakota B.S., North Dakota State University

Victoria L. Pierce Dell Rapids, South Dakota B.S., South Dakota State University

**Erin L. Seaver** Le Sueur, Minnesota B.S., North Dakota State University

**Scott R. Sorvaag** Fargo, North Dakota B.B.A., University of North Dakota

**Hope A. Stapleton** Sisseton, South Dakota B.S., South Dakota State University

**Kelsey N. Wichman** Fargo, North Dakota *B.A., Northern State University* 

#### MASTER OF ARTS

Emily N. Bartz Pretoria, South Africa English

 $B.A.,\,Minnesota\,\,State\,\,University,\,Mankato$ 

Jenna Clawson Plentywood, Montana Anthropology

B.A., Minnesota State University Moorhead

**Earla E. Croll** Fargo, North Dakota *History* 

B.U.S., North Dakota State University

**Kayley K. Erlandson** Breckenridge, Minnesota *Mass Communication* 

B.S., Valley City State University

Marie J. Haldane Vancouver, British Columbia Community Development

B.A., Simon Fraser University

**Chad A. Halvorson** Stanley, North Dakota *History* 

B.A., Minnesota State University Moorhead

**Michael A. Jones** Seoul, Republic of Korea Speech Communication

B.S., Oregon State University

Emily B. Plummer Boaz, Alabama

Speech Communication

B.A., Hawaii Pacific University

**Troy P. Reisenauer** Dickinson, North Dakota *History* 

B.A., Minnesota State University Moorhead

Sadie R. Rudolph Enderlin, North Dakota

Mass Communication

B.S., Minnesota State University Moorhead

**Daniel V. Wakefield** Devils Lake, North Dakota *History* 

B.S., University of North Dakota

# MASTER OF BUSINESS ADMINISTRATION

Christopher H. Bott St. Paul, Minnesota B.A., University of Missouri-St. Louis B.S.Ed., University of Missouri-St. Louis

Eric Carlson Shakopee, Minnesota B.S., North Dakota State University

**Jeffrey D. Dertinger** Alexandria, Minnesota B.S., North Dakota State University

Rachel S. Deyle Fargo, North Dakota B.S., North Dakota State University

Maria V. Evglevskikh Fargo, North Dakota B.S., Minnesota State University Moorhead

**Joshua D. Flute** Browns Valley, Minnesota B.S., North Dakota State University

**Jason A. Gibb** Moorhead, Minnesota B.S., Reed College

Benjamin L. Harvey Fargo, North Dakota B.S., University of Illinois at Urbana-Champaign M.L.I.S., University of Illinois at Urbana-Champaign

**Mathew D. Hedger** Killdeer, North Dakota *B.S.*, *North Dakota State University* 

Michael J. Kingrey St. Paul, Minnsota B.S., North Dakota State University

**Bhanu O. Mistry** Fargo, North Dakota M.D., Mahadevappa Rampure Medical College

Jesse J. Morrow Watertown, South Dakota B.S., North Dakota State University

Raja V. Srinivasan Adhekesavan

Coimbatore, India

B.Eng., Madurai Kamararaj University

**Arman Vardazarian** Yerevan, Armenia B.S., Hrachya Acharyan University

**Victoria V. Voloshchenko** Kramatorsk, Ukraine B.S., Donbass State Engineering Academy

**Dawn C. Willett** Moorhead, Minnesota B.S.E.E., University of North Dakota

# MASTER OF CONSTRUCTION MANAGEMENT

William Brock Oak Ridge, Tennessee

B.S., Thomas A. Edison State College

B.S., Embry-Riddle Aeronautical University

Maria Camargo Buffalo, Minnesota B.S., Minnesota State University Moorhead

**Saahil A. Das** Mumbai, India B.Arch., University of Mumbai

Carl Kanhai Fairfax, Virginia B.S., Old Dominion University

Mark S. Monasky Jr. Apple Valley, Minnesota B.S., University of North Dakota

**Kevin Pham** Moorhead, Minnesota B.S., North Dakota State University

#### MASTER OF EDUCATION

Joshua Allmaras Grafton, North Dakota

Educational Leadership

B.A,. Concordia College

B.S., Minnesota State University Moorhead

Derrick Bopp Kulm, North Dakota

Educational Leadership

B.S., Valley City State University

**Shawn Brink** Bismarck, North Dakota Educational Leadership

B.S., Minot State University

**Elizabeth J. Crowley** Broadview, Montana *Education* 

B.S., North Dakota State University

Claudette Gourneau Belcourt, North Dakota Educational Leadership

B.S., University of North Dakota

Trevor Gourneau Belcourt, North Dakota

Educational Leadership

B.S., University of North Dakota

M.S., University of North Dakota

**DeNae Haagenson** Moorhead, Minnesota *Education* 

B.S., North Dakota State University

Chongmin Ji Niantic, Connecticut

Education

B.S., Yanbian University

M.S., Yanbian University

**Christopher Larson** Milnor, North Dakota *Educational Leadership* 

B.S., Minnesota State University Moorhead

**Aaron D. Loff** Harvey, North Dakota

Educational Leadership

B.A., Jamestown College

**David J. McQueen** Benedict, North Dakota Educational Leadership

B.S., University of North Dakota

Ryan Mears Fargo, North Dakota

Educational Leadership

B.S., Minnesota State University Moorhead

Kimberly K. Murphy Watford City,

North Dakota

Agricultural Education

B.S., North Dakota State University

Chelsey L. Paulsen Aberdeen, South Dakota Education

B.S., North Dakota State University

Courtney J. Peterson Fargo, North Dakota Education

B.A., University of California, San Diego

Nathan R. Schleicher Minot, North Dakota

Educational Leadership

B.A., University of North Dakota

Samantha M. Skinner Hazen, North Dakota Education

B.S., North Dakota State University

Eric W. Viall Ray, North Dakota

Education

B.S., Northern State University

M.S., North Dakota State University

#### MASTER OF MUSIC

Eric M. Bergstedt Bismarck, North Dakota

B.S., Valley City State University

Chad I. Felton Bellevue, Iowa

B.A., University of Minnesota, Morris

Rachel F. Horan Fargo, North Dakota

B.A., Concordia College

Angela S. Howard Highlands Ranch, Colorado

B.S., North Dakota State University

Myles I. Lyra Victoria, Texas

B.M., University of Houston

M.A., University of Texas at Tyler

Seongil Park Seoul, Republic of Korea

B.M., Chung-Ang University

Bernard J. Van Moer Tracy, Minnesota

B.M.E., South Dakota State University

# MASTER OF MANAGERIAL LOGISTICS

Richard M. Mendenhall Clear Lake,

South Dakota

B.S., South Dakota State University

# MASTER OF NATURAL RESOURCES MANAGEMENT

Benjamin L. Carlson Forest Lake, Minnesota

B.S., University of North Dakota

**Zahra S. Hashim** Fargo, North Dakota B.S., Minnesota State University Moorhead

Joshua C. King Fargo, North Dakota

B.S., North Dakota State University

**Katherine Ledin** Plymouth, Minnesota B.A., Concordia College

Andrew J. Lillejord Jamestown, North Dakota

B.S., North Dakota State University

Jordan M. Smith Yankton, South Dakota

B.S., University of South Dakota

#### MASTER OF PUBLIC HEALTH

Nicki A. Cain Jr. Bismarck, North Dakota

B.S., North Dakota State University

Swaha Pattanaik New Delhi, India

B.D.S., Pravara Institute of Medical Sciences

#### MASTER OF SCIENCE

#### Mohammad Abdollahzadeh Zare Tehran, Iran

Electrical and Computer Engineering

B.S., Sharif University of Technology

Daiko N. Abe Falcon, Colorado

Emergency Management

B.A., Brigham Young University-Idaho

Keith S. Abeyratne Colombo, Sri Lanka

Software Engineering

B.S., University College Dublin

Gurmukh H. Advani West Fargo, North Dakota

Industrial Engineering and Management

B.E., University of Pune

Abhishek Agarwal Gurgaon, Haryana, India

Software Engineering

B.S., North Dakota State University

 $\textbf{Syed Kutub Uddin Ahmed} \ \operatorname{Dhaka}, \operatorname{Bangladesh}$ 

Computer Science

B.S., University of Dhaka

Austin J. Allard Belcourt, North Dakota

Civil Engineering

B.S., North Dakota State University

Srinivas Adithya Amanchi Fargo,

North Dakota

Computer Science

B.E., Osmania University

Ramakanth R. Annadi Alpharetta, Georgia

Computer Science

B. Tech., Jawaharlal Nehru Technological

University Hyderabad

Deepika Arora Hisar, India

Plant Pathology

B.S., North Dakota State University

Druhin Bala Kolkata, India

Electrical and Computer Engineering

B. Tech., West Bengal University of Technology

Loren L. Baranko Fairfield, North Dakota Animal Science

B.S., North Dakota State University

Christopher Bauer Bryan, Texas

Psychology

B.A., University of Wisconsin-Milwaukee

Ekua F. Bentil Cape Coast, Ghana

Applied Statistics

B.S., Methodist University College Ghana

Kevin M. Beussman Waconia, Minnesota

Mechanical Engineering

B.S., North Dakota State University

Stefan A. Bock Mather, California

Mathematics

B.S., California State University, Bakersfield

Joshua L. Boe Fargo, North Dakota

Human Development and Family Science

B.S., North Dakota State University

**Lindsey A. Boes** West Lafayette, Indiana *Human Development and Family Science* 

B.A., Purdue University

**Tyler J. Brazier** Thief River Falls, Minnesota Computer Science

B.S., University of Minnesota, Crookston

**Taylor J. Bruhschwein** Dickinson, North Dakota

Civil Engineering

B.S., North Dakota State University

Brandy L. Buro Oakes, North Dakota

Health, Nutrition and Exercise Science

B.S., North Dakota State University

Craig Carlson Casselton, North Dakota

Plant Sciences

B.S., North Dakota State University

Nichole M. Chapel Johnsburg, Illinois

Animal Science

B.S., North Dakota State University

Venkata Chintalapudi Detroit, Michigan

Construction Management

B.E., Andhra University

Karan Chitkara New Delhi, India

Software Engineering

B.S., North Dakota State University

Eric J. Christeson Fargo, North Dakota

Software Engineering

B.S., North Dakota State University

Collette M. Christoffers Moorhead, Minnesota

Nursino

B.S.N., University of Missouri-Columbia

Kenneth J. Croes River Falls, Wisconsin

Coatings and Polymeric Materials

B.S., University of Wisconsin-River Falls

Mellissa N. Crosswhite Sarasota, Florida

Animal Science

B.S., University of Florida

Nathan R. Dalbec Delano, Minnesota

Agribusiness and Applied Economics

B.S., North Dakota State University

Ryan M. Daly West Fargo, North Dakota

Agribusiness and Applied Economics

B.A., Minnesota State University Moorhead

Divya Dayala Secunderabad, India

Computer Science

B. Tech., Jawaharlal Nehru Technological

University Hyderabad

Revathi Dhamotharan Theni, India

Electrical and Computer Engineering

B.E., Shri Ramdeobaba College of Engineering and Management

Resha S. Dias Colombo, Sri Lanka

Agribusiness and Applied Economics

B.S., North Dakota State University

Lukshman J. Ekanayake Fargo, North Dakota

Cereal Science

B.S., Univeristy of Peradeniya

Serena L. Flagg Wadena, Minnesota

Merchandising

B.A., Concordia College

Nilukshi Fonseka Colombo, Sri Lanka

Software Engineering

B.S., University College Dublin

Katharina J. Fritzler Amherst, Virginia

Human Development and Family Science

B.A., Sweet Briar College

Skye Gabel Linden, Michigan

Soil Science

B.A., University of Michigan-Flint

B.S., University of Michigan-Flint

Pooja Gautam Kathamdu, Nepal

Software Engineering

B.Arch., Tribhuvan University

M.A., Minnesota State University, Mankato

Alemayehu K. Gebremariam Fargo,

North Dakota

Software Engineering

M.S., Ben-Gurion University of the Negev

M.S., Addis Ababa University

Etsehiwot Gebreselassie Moorhead, Minnesota

Cereal Science

B.S., Minnesota State University Moorhead

Ankan Ghosh Kolkata, India

Electrical and Computer Engineering

B. Tech., West Bengal University of Technology

Anna L. Gross Barnesville, Minnesota

Education

B.S., Minnesota State University Moorhead

Feng Guo Guangzhou, China

Electrical and Computer Engineering

B.S., North Dakota State University

Noah L. Habtezion Asmara, Eritrea

Civil Engineering

B.S., University of Asmara

Hannah M. Hallissey Mystic, Connecticut

Advanced Athletic Training

B.S., Southern Connecticut State University

Ashton A. Hansen Howard, South Dakota

Entomology

B.A., Mount Marty College

Karen Henry Universal City, Texas

Merchand is ing

B.F.A., American InterContinental University

Md. Daulat Hossain Jamalpur, Bangladesh

Agribusiness and Applied Economics B.S., Islamic University of Technology

M.D.S., University of Dhaka

Mohammad K. Hossan Narsingdi, Bangladesh

Electrical and Computer Engineering

B.S., Bangladesh University of Engineering and Technology

Jared J. Huibregtse Pipestone, Minnesota

Emergency Management

B.S., North Dakota State University

Meredith L. Irsfeld Fargo, North Dakota Microbiology

B.S., North Dakota State University

Miwa Ito Tokyo, Japan

Speech Communication

B.A., Dokkyo University

M.A., University of Kansas

#### Jeba Rose Jennifer Jesudoss Chelladurai

Coimbatore, India

Microbiology

B. V.S. and A.H., Tamil Nadu Veterinary and Animal Sciences University

#### James D. Jorissen Rogers, North Dakota

Emergency Management

B.S., North Dakota State University

#### Lee A. Kersting St. Cloud, Minnesota

Mechanical Engineering

B.S., North Dakota State University

#### Albert O. Kertho Wakiso, Uganda

Plant Pathology

B.S., University of St. Thomas

#### Sunil Kolluru Vijayawada, India

Computer Science

B. Tech., Nagarjuna University

## Emily Kulland Grassy Butte, North Dakota

B.S.N., Minnesota State University Moorhead

#### Anuroop Kundur Hanamkonda, India

Computer Science

B. Tech., Kakatiya University

#### Regina C. Laufmann Dell Rapids, South Dakota Agribusiness and Applied Economics

B.S., Concordia College

#### Da sul Lee Gong-ju, South Korea

Agribusiness and Applied Economics

B.S., North Dakota State University

#### Qiang Li Jinan, Shandong, China

Statistics

B.S., Shandong Polytechnic University

#### Shah M. Limon Dhaka, Bangladesh

Industrial Engineering and Management

B.S., Bangladesh University of Engineering and Technology

#### Austin T. Link Gillette, Wyoming

Range Science

B.S., University of Minnesota, Crookston

#### Amanda R. Lipinski Brookfield, Wisconsin

Range Science

B.S., University of Wisconsin-Madison

#### Meng Luo Fargo, North Dakota

Applied Statistics

B.E., Dalian Railway Institute

M.E., Dalian Jiaotong University

#### Devi Madamanchi Hyderabad, India

Computer Science

B. Tech, Jawaharlal Nehru Technological

University Hyderabad

# Lincoln E. Martin Sawyer, North Dakota

B.S., North Dakota State University

## Casey B. McCausland Midland, Michigan

B.S., Valley City State University

#### Laura K. McKee Florence, Alabama

Merchandising

B.S., Louisiana State University

#### Brandon L. Montgomery Brooklyn Park, Minnesota

Soil Science

B.S., North Dakota State University

#### Rashidat Moreira West Hartford, Connecticut

Human Development and Family Science

B.S., Cornell University

#### Joshua J. Morman West Fargo, North Dakota

Mechanical Engineering

B.S., North Dakota State University

#### Aarti Nanajkar Hyderabad, India

Construction Management

B.Arch., Jawaharlal Nehru Technological University Hyderabad

Nicholas A. Obey Chatfield, Minnesota

#### Health, Nutrition and Exercise Science

B.S., North Dakota State University

#### Peter O'Brien Springfield, Illinois

Natural Resources Management

B.S., University of Illinois

#### Scott Olson Lemmon, South Dakota

B.A., Northern State University

#### Max M. Pagel Winthrop, Minnesota

Advanced Athletic Training

B.A. TR., Minnesota State University, Mankato

#### Abhaya N. Poudyal Kathmandu, Nepal

Software Engineering

B.S., North Dakota State University

#### Rahul Puri New Delhi, India

Software Engineering

M.C.A., Guru Jambheshwar University of Science and Technology

#### Samjhana Rajbhandari Fargo, North Dakota

Human Development and Family Science

B.S.N., Kathmandu University

#### Meridith Ramsey Devils Lake, North Dakota

Environmental and Conservation Science

B.S., Minnesota State University Moorhead

#### Jacob G. Randa Moose Lake, Minnesota

Zoology

B.S., North Dakota State University

# Shalindra Rathnasinghe Colombo, Sri Lanka

B.S., North Dakota State University

#### Adriana V. Rodriguez Arroyo, Puerto Rico Plant Sciences

B.S., University of Puerto Rico at Mayagüez

#### Christina Roylance Boston, Massachusetts Psychology

B.A., New York University

#### Sayeed Zebaul Haque Sajal Dhaka, Bangladesh

Electrical and Computer Engineering

B.S., Bangladesh University of Engineering and Technology

M.B.A., The East West University

#### Bryant R. Sanderson West Fargo, North Dakota

Agribusiness and Applied Economics B.S., North Dakota State University

#### Kolby L. Schaeffer Fargo, North Dakota Nursing

B.S.N., North Dakota State University

#### Anuchidacheromoh Scholz Fargo,

North Dakota

Educational Leadership

B.Ed., Rajabhat Yala Institute

#### Souvik Sen Fridley, Minnesota

Computer Science

B. Tech., West Bengal University of Technology

#### Saurav Shankar Kolkata, India

Mechanical Engineering

B. Tech., West Bengal University of Technology

#### Sarjan Shrestha Kathmandu, Nepal

Computer Science

B.E.C.E., Tribhuvan University

**Julie C. Simonson** Morristown, Minnesota *Advanced Athletic Training* 

B.A. Trg., Minnesota State University, Mankato

Kunal Singh Bihar, India

Software Engineering

B.S., North Dakota State University

**Tara N. Slominski** Minto, North Dakota *Zoology* 

B.S., North Dakota State University

Abilio B. Soares Comoro, East Timor Natural Resources Management B.B.C., Monash University

**Crystal N. Starr** Bisbee, North Dakota *Food Safety* 

B.S., University of Minnesota, Crookston

Md. Yiasin Sumon Dhaka, Bangladesh Electrical and Computer Engineering B.S., Bangladesh University of Engineering and Technology

Naveed A. Syed Chennai, India

Software Engineering

B.E., Osmania University

**Arjun Thapa** Chitwan, Nepal Agricultural and Biosysems Engineering

B. Eng., Tribhuwan University **Deepti Tyagi** New Delhi, India

Microbiology

B.S., North Dakota State University

**Sudhi Upadhyaya** Fargo, North Dakota *Applied Statistics* 

B.E., Banglore University
M.S., Bemidji State University

Qi Wang Penglai, Shandong, China Applied Statistics

B.S., Dalian Medical University

Krista R. Wellnitz Orfordville, Wisconsin Animal Science

B.S., University of Wisconsin-Platteville

Xiaotian Wu Lishui, China Agribusiness and Applied Economics B.S., North Dakota State University

**Muhabbat M. Yakubova** Dushanbe, Tajikistan *Sociology* 

B.A., Tajik State Pedagogical University M.A., North Dakota State University

**Alexandre Y. Yamamoto** Campinas, Brazil Electrical and Computer Engineering B.S., State University of Campinas

**Kevin B. Young** Avon, Minnesota *Civil Engineering* 

B.S., North Dakota State University

Youhao Zhao Hainan, China

Mechanical Engineering B.S., North Dakota State University

Songtao Zheng Fuzhou, China Computer Science

B.S., Southeast University

**Zijian Zheng** Shenyang, China Transportation and Urban Systems B.S., Heifei University of Technology

# MASTER OF SOFTWARE ENGINEERING

Nooresh Bajracharya Kathmandu, Nepal B.S., Louisiana Tech University

Navdeep S. Bawa Ludhiana, India M.B.A., University of Mary B.E., Punjab Technical University

**Thomas Gemuend** Kahului, Hawaii B.S., Florida State University

Samyuktha Gurram Shadnagar, India B. Tech., Jawaharlal Nehru Technological University Hyderabad

**Raju Karki** Kansas City, Missouri B.S., University of Texas at Arlington

Haram Kim Daejeon, South Korea B.A., North Dakota State University B.S., Chungnam National University

Mukesh Kumar Haryana, India B.S., North Dakota State University

B.S., North Dakota State University
Nuraj Maskey Fort Worth, Texas

B.S., Texas A&M University

**Nikita Mishra** Bismarck, North Dakota B.C.E., Nepal Engineering College

Santosh Saharan Cupertino, California B.A., University of Delhi M.A., Guru Nanak Dev University

**Deepak Sheoran** Hisar, India B.S., North Dakota State University

**Sirisha Veeraganta** Fargo, North Dakota B. Tech., Jawaharlal Nehru Technology University

# MASTER OF TRANSPORTATION AND URBAN SYSTEMS

Fang Xu Fargo, North Dakota B.A.E., Hubei Normal University









NDSU NOW

North Dakota had been a state a little less than a year when Governor John Miller signed a bill on March 8, 1890, designating a square mile of land adjoining Fargo as the site of the new campus and demonstration farm under the name, North Dakota Agricultural College.

A commitment to the federal government was honored by establishing a college of agriculture and mechanic arts under the Morrill Act of 1862. The course of studies was to be a harmonious blend of technical and academic subjects.

Known as a people's college, NDSU was part of a bold new experiment to provide access to a college education for the common person. That was how it started.

NDSU is a national model of the successful student-focused, land-grant, research institution, and is ranked by the Carnegie Commission on Higher Education among the top 108 private and public universities in the United States.

NDSU is an energized, vibrant institution that enrolled more than 14,700 students during fall 2014 in its undergraduate and graduate programs. Approximately 95 percent of NDSU students are in face-to-face, traditional classroom-based courses, a figure that leads the state by a large margin.

NDSU excels in areas of innovative and technology-driven research, with more than \$150 million in research expenditures reported in fiscal year 2013. NDSU is listed in the Top 100 research universities in the United States for research and development in agricultural sciences, chemistry, physical sciences, psychology and social sciences, based on research expenditures reported to the National Science Foundation.

# CANDIDATES FOR

# UNDERGRADUATE AND PROFESSIONAL DEGREES

# COLLEGE OF

# AGRICULTURE, FOOD SYSTEMS, AND NATURAL RESOURCES

Candidates to be presented by Vice President Kenneth Grafton and marshaled by Dr. Todd West and student marshal Maria Hagar.

#### BACHELOR OF SCIENCE

- **Jacob L. Aanden** Fertile, Minnesota *Animal Science*
- **Ahmed R. Abdille** Fargo, North Dakota *Microbiology*
- **Ju Yeon Ahn** Gwangju, South Korea *Economics*
- **Ubbah O. Ali** Minneapolis, Minnesota *Microbiology*
- **Justin T. Alme** Balfour, North Dakota *Crop and Weed Sciences*
- **Alaetra A. Alvarez** Kindred, North Dakota *Agricultural Economics*
- **Tyler C. Anderson** Hillsboro, North Dakota *Microbiology*
- Paige M. Austing Freeport, Minnesota Agricultural Economics
- Marcie A. Bachler Excelsior, Minnesota Microbiology
- ••• Hannah M. Barrett Staples, Minnesota Horticulture
  - Karl M. Bartholomay Sheldon, North Dakota Agricultural Economics
  - **Courtney L. Beer** Grand Rapids, Minnesota *Animal Science*
  - **Benjamin R. Bement** Brooklyn Park, Minnesota *Microbiology*
  - **Adam D. Bernhardson** Grand Forks, North Dakota

Crop and Weed Sciences

- **Deann G. Berntson** Kulm, North Dakota Crop and Weed Sciences
- Matthew R. Boeder Bismarck, North Dakota Agricultural Economics
- Morgan L. Boyum Chatfield, Minnesota Veterinary Technology
  - **Alexander A. Brezina** Maple Grove, Minnesota *Microbiology*
  - **Heather A. Brown** Montpelier, North Dakota *Animal Science*
  - **Sarah M. Budde** St. Michael, Minnesota *Microbiology*
  - Beau L. Buehler Oberon, North Dakota Agricultural Economics Agricultural Education
  - **Lucas J. Bumgarner** Wahpeton, North Dakota Sports and Urban Turfgrass Management

- Matthew K. Carlson Rochester, Minnesota Microbiology
- Jessica A. Christianson Moorhead, Minnesota Soil Science
- •• Benjamin D. Cigelske Hatton, North Dakota Crop and Weed Sciences
  - **Jonathan S. Cobb** Apple Valley, Minnesota *Microbiology*
  - **Sofia I. Costa Terryll** Chaska, Minnesota Natural Resources Management
  - **Brandon L. Dahl** Madison, Minnesota Natural Resources Management
  - Matthew C. Dahlke Waconia, Minnesota Agricultural Systems Management
  - **Daniel W. Donnelly** Farmington, Minnesota *Agricultural Economics*
- •• Colton R. Eichele Robinson, North Dakota Agribusiness
  - **Benjamin C. Erickstad** Devils Lake, North Dakota

Crop and Weed Sciences

- Calli R. Feland Minot, North Dakota Crop and Weed Sciences
- **Diana L. Fontaine** Shakopee, Minnesota *Microbiology*
- •• Charles J. Forward Oakes, North Dakota General Agriculture
  - **Lindsey R. Forward** Oakes, North Dakota Natural Resources Management
  - **Brandon M. Friez** Mott, North Dakota *Crop and Weed Sciences*
  - Morgan C. Geer Brooten, Minnesota Animal Science
  - **Sydney M. Gilles** Wahpeton, North Dakota Crop and Weed Sciences
  - **Kayla M. Graber** Bottineau, North Dakota Natural Resources Management
  - Andrew J. Greenmyer Stirum, North Dakota Agricultural Economics
  - **John A. Grieger** Erie, North Dakota Crop and Weed Sciences
  - Michael S. Grove Warroad, Minnesota Agricultural Economics
  - Kanika Gupta New Delhi, India Biotechnology
  - **Andrew M. Hagen** Hanley Falls, Minnesota *Agricultural Economics*

- **Beth A. Halls** Rugby, North Dakota *Animal Science*
- **Jacob A. Haman** Crary, North Dakota *Crop and Weed Sciences*
- **Bre'Anna D. Hanson** Forman, North Dakota *Crop and Weed Sciences*
- **Dalton C. Hanson** Sherwood, North Dakota *Animal Science*
- **Brent C. Hasbargen** Birchdale, Minnesota Agricultural Economics
  - **Dalton E. Hassler** Big Lake, Minnesota *Microbiology*
  - **Brett M. Hillestad** Claire City, South Dakota *Agricultural Economics*
  - **Ashley A. Hoffmann** West Fargo, North Dakota *Veterinary Technology*
  - **Samantha K. Hogstad** Frost, Minnesota *Crop and Weed Sciences*
- Neil R. Iverson Mekinock, North Dakota Crop and Weed Sciences
- •• Nathan J. Jahnke West Fargo, North Dakota Horticulture
  - **Rupali Jain** Malerkotla, India *Economics*
- •• Angela B. Johnson Galesburg, North Dakota Animal Science
  - **Jacob L. Keller** Mandan, North Dakota *Animal Science*
- Brenden A. Klebe Willow City, North Dakota Crop and Weed Sciences
  - **Kouevi K. Kodjovi** West Fargo, North Dakota *Biotechnology*
  - **Brady D. Koehler** Belgrade, Minnesota *Agribusiness*
  - **Joseph W. Koll** Jamestown, North Dakota General Agriculture
  - **Joelle C. Kraska** Hallock, Minnesota *Veterinary Technology*
  - Matt E. Krey South St. Paul, Minnesota Sports and Urban Turfgrass Management
  - **Kimberly A. LaFond** Brainerd, Minnesota *Veterinary Technology*
- Jared G. Lamirante Kelowna, British Columbia Natural Resources Management
  - **Austin J. Langley** Warwick, North Dakota *Agricultural Economics*
- Walter K. Lanza Sete Lagoas, Minas Gerais, Brazil *Economics*
  - **Camden P. Larson** Edina, Minnesota *Agricultural Economics*
  - **Matthew L. Larson** Fargo, North Dakota Agricultural Economics
- •• **Keaton B. Laymon** Warren, Minnesota Natural Resources Management
  - Elizabeth N. Leke Fargo, North Dakota Biotechnology
  - **Ryan R. Martinson** Milnor, North Dakota Agricultural Economics
  - **Tanner K. Martinson** Milnor, North Dakota Agricultural Systems Management
  - **Amy E. McConnell** Glyndon, Minnesota *Animal Science*
  - **Tucker J. McPherson** Page, North Dakota General Agriculture
  - **Alec T. Miller** Victoria, Minnesota *Horticulture*
  - **Kaitlin A. Miller** Marshall, Minnesota *Microbiology*

- **Abdikadir O. Mohamed** Fargo, North Dakota *Microbiology*
- **Aaron T. Montplaisir** Moorhead, Minnesota Range Science
- **Nicholas D. Morrison** Cavalier, North Dakota *Agricultural Systems Management*
- **Andrew E. Moser** Paynesville, Minnesota *Crop and Weed Sciences*
- •• **Presley E. Mosher** Fertile, Minnesota *Horticulture*
- •• Benjamin B. Munson Cokato, Minnesota Natural Resources Management Geology
  - Mitchell J. Neitge Excelsior, Minnesota Natural Resources Management
- Norman N. Nicholson Dawson, North Dakota Agribusiness
  - **Taylor E. Nielsen** Westby, Montana *Agricultural Economics*
  - Emily B. Norwig Hampton, Minnesota *Microbiology*
  - Martin H. Peterson Grove City, Minnesota Agribusiness
  - **Zach A. Peterson** Fargo, North Dakota General Agriculture
  - John P. Posch Sacred Heart, Minnesota Microbiology
  - **Taylor L. Pulvermacher** Crosby, North Dakota Crop and Weed Sciences
  - **Braeden E. Regner** Fargo, North Dakota Crop and Weed Sciences
  - Jordon S. Rehak Tioga, North Dakota Agricultural Economics
- Cade E. Robertson Dawson, Minnesota Agricultural Systems Management
  - Joseph T. Rude Fergus Falls, Minnesota Natural Resources Management
  - **Timothy J. Runke** Maple Grove, Minnesota *Agricultural Economics*
- **Benjamin M. Salo** New York Mills, Minnesota Agricultural Systems Management
- •• Katherine M. Sanders Rochester, Minnesota Microbiology
- John P. Schmidt Halstad, Minnesota Microbiology
  - **Jeremy L. Schwartz** Parkers Prairie, Minnesota *Agricultural Economics*
  - **Tye A. Scott** Dell Rapids, South Dakota *Crop and Weed Sciences*
  - Jared S. Seinola St. Charles, Minnesota Animal Science
  - **Andrew J. Siemon** Belle Plaine, Minnesota Agricultural Systems Management
  - **Graeme Sletten** Hatton, North Dakota *Crop and Weed Sciences*
  - **Christy K. Sperling** Williston, North Dakota Animal Science Equine Science
  - **Danielle M. Steinhoff** Sauk Rapids, Minnesota Natural Resources Management
  - Mark A. Stola Beltrami, Minnesota Crop and Weed Sciences
  - Joshua T. Stutrud Barton, North Dakota Crop and Weed Sciences
  - **Tiffany N. Swanson** Fargo, North Dakota *Agricultural Economics*
  - **Ethan D. Sweep** Fosston, Minnesota Crop and Weed Sciences

- **Christian A. Taylor** Casselton, North Dakota *Microbiology*
- **Joseph P. Terfehr** Breckenridge, Minnesota *Crop and Weed Sciences*
- Jordaan C. Thompson Cogswell, North Dakota Soil Science
- **Alexander J. Trudel** Glyndon, Minnesota *Crop and Weed Sciences*
- **Jeremiah S. Ulmer** Fullerton, North Dakota General Agriculture
- **Krishna Vaid** Jammu and Kashmir, India *Biotechnology*
- Petrus A. Van Bedaf Carrington, North Dakota Agricultural Economics
- Jacey L. Vetter Linton, North Dakota Veterinary Technology
- •• Brian W. Volkenant Buffalo, Minnesota Sports and Urban Turfgrass Management
  - **Allison L. Walter** Minot, North Dakota General Agriculture
  - **Brandon M. Weber** Linton, North Dakota Agricultural Systems Management

- Tanner J. Wegscheid New York Mills, Minnesota Agribusiness
- Madelyn L. Welding Jamestown, North Dakota Veterinary Technology
  - **Justin K. Wendlandt** Paynesville, Minnesota *Animal Science*
  - **Emily K. Wentzel** Murdock, Minnesota *Agricultural Economics*
  - **Adam N. Wibe** Ulen, Minnesota *Agribusiness*
  - McKenzie J. Wollmann Bismarck, North Dakota Horticulture
  - **Tyler J. Wulfekuhle** Wolverton, Minnesota Agricultural Economics
  - **Derek A. Wunderlich** Lisbon, North Dakota Agricultural Economics
  - Jordan E. Zenker Gackle, North Dakota Animal Science

# ARTS, HUMANITIES AND SOCIAL SCIENCES

Candidates to be presented by Associate Dean Elizabeth Birmingham and marshaled by Dr. Michael Weber and student marshal James Koenig.

#### BACHELOR OF ARTS

**Bo A. Balsdon** Langdon, North Dakota *Anthropology* 

•• Stephanie M. Cossette West Fargo, North Dakota

Public History

History

**David J. Flute** Sisseton, South Dakota *History* 

••• Mary M. Gust West Fargo, North Dakota Public Relations and Advertising

Courtney J. Hatfield Fargo, North Dakota Criminal Justice

**Kigenyi A. Kalema** Bloomington, Minnesota *English* 

Joseph A. Lutovsky Minto, North Dakota New Media and Web Design International Studies

**Tanya May** Lowry, Minnesota *Public Relations and Advertising* 

 Christine M. McClellan Fargo, North Dakota *Journalism*

**Genaro Ordaz IV** Moorhead, Minnesota *Criminal Justice* 

•• Katelyn H. Ostby Fargo, North Dakota English

**Joshua P. Peterson** Fargo, North Dakota *History* 

**Duane L. Powell** Clearwater, Nebraska French

Morgan L. Richert Ludington, Michigan Journalism

**Kyle G. Rose** Minnetonka, Minnesota *Emergency Management* 

Pedro M. Safatle Brasilia, Distrito Federal, Brazil History

International Studies

••• Whitney M. Sauer Albert Lea, Minnesota

History

Anthropology

**Jeffrey A. Zimmerman** Hutchinson, Minnesota *Spanish* 

International Studies

#### BACHELOR OF FINE ARTS

**Julianna M. Haman** Fargo, North Dakota *Art* 

•• Virginia K. Pick St. Cloud, Minnesota

**Justine L. Pulec** Mohall, North Dakota *Theatre Arts* 

**Sarah M. Svensson** Hopkins, Minnesota

•• Ian P. Warner Little Falls, Minnesota

Art

#### **BACHELOR OF MUSIC**

- •• Erika A. Berger Mandan, North Dakota Matthew J. Fornshell Bismarck, North Dakota
- •• Alyson D. Hubrig Hankinson, North Dakota Emily R. Lehmann Apple Valley, Minnesota
- •• Samantha M. Martel Fargo, North Dakota
- Michael J. Petyo III Coon Rapids, Minnesota

#### BACHELOR OF SCIENCE

**Claire O. Anderson** Edina, Minnesota *Public Relations and Advertising* 

Casey D. Anhorn Medford, Minnesota Management Communication

• Rachel M. Austin Champlin, Minnesota Public Relations and Advertising

Jarrod J. Baadsgaard Blaine, Minnesota Philosophy/Humanities

•• Megan N. Babel Bismarck, North Dakota Public Relations and Advertising

Ingrid M. Bales Monticello, Minnesota Management Communication

**Emily M. Bares** Lakeville, Minnesota *Criminal Justice* 

Jeremy S. Bartel Brainerd, Minnesota History

**Brandon L. Berce** Fargo, North Dakota *History* 

Matthew R. Bigelow Monticello, Minnesota English

**Sarah E. Bridge** Plymouth, Minnesota *Criminal Justice* 

Mackenzie J. Brimm Fargo, North Dakota Public Relations and Advertising

**Stephanie A. Christianson** International Falls, Minnesota *Journalism* 

•• James M. Conley Tyler, Texas Sociology

**Rebecca A. Cross** Moorhead, Minnesota *Sociology* 

**April A. Daly** Coon Rapids, Minnesota *History* 

Marcus T. Davis Rosemount, Minnesota Political Science

••• Anne R. Debner Winsted, Minnesota Management Communication

**Corrie C. Dunshee** Bemidji, Minnesota *English* 

Journalism

**Shautay M. Feist** Valley City, North Dakota Public Relations and Advertising

 David J. Flute Browns Valley, Minnesota Public History

**Erin K. Fox** St. Michael, Minnesota *Criminal Justice* 

- Rachel H. Geinert Nortonville, North Dakota Theatre Arts
- Kelsey R. Gisi New Rockford, North Dakota Anthropology

Public History

- **Kelsey L. Gordon** Moorhead, Minnesota Public Relations and Advertising
- **Derek T. Graham** Dickinson, North Dakota *Art*
- Jake W. Grossman Enderlin, North Dakota Criminal Justice
- **Erin E. Hackey** West Fargo, North Dakota *Sociology*
- **Eric Hagstrom** Fergus Falls, Minnesota *Criminal Justice*
- **Brandon L. Hamman** Fairmount, North Dakota *Criminal Justice*
- Ryan T. Hassel Centerville, Minnesota New Media and Web Design
- **Josh D. Hoffart** Hawley, Minnesota *Sociology*
- Alisa C. Jacobson Chesapeake, Virginia History
- **Shannon M. Jacobson** Bismarck, North Dakota *Public Relations and Advertising*
- •• Brenna L. Johansen Beulah, North Dakota Public Relations and Advertising
  - **Cassandra N. Johnson** Fargo, North Dakota *Public Relations and Advertising*
  - Lane T. Johnson Fargo, North Dakota English
  - **Ryan Justak** Plymouth, Minnesota *History*
  - **David P. Kalis** Sartell, Minnesota *Criminal Justice*
  - **Amber R. Kassenborg** Moorhead, Minnesota *Criminal Justice*
  - **Molly C. Keleny** Champlin, Minnesota *Environmental Design*
  - **Colton C. Kellen** Long Prairie, Minnesota *Emergency Management Sociology*
  - **Adam J. Kempenich** Little Falls, Minnesota New Media and Web Design Journalism
  - **Joseph G. Kerlin** Apple Valley, Minnesota *Journalism*
  - **Austin J. Kettelhut** Duluth, Minnesota *Journalism*
  - **Trevor King** Owatonna, Minnesota *Criminal Justice*
  - Jacob M. Klatt Medina, Minnesota History
  - Mudiaga E. Kpohraror Maplewood, Minnesota Social Science
  - Mitchel W. Kral Lindstrom, Minnesota Criminal Justice
  - **Jacob G. Kubik** Manning, North Dakota *Public Relations and Advertising*
  - Jacob L. Kuntz Waconia, Minnesota Emergency Management
  - **Taylor Kuseske** Kimball, Minnesota *Criminal Justice*
  - Eric K. Lein Glyndon, Minnesota
    Criminal Justice
  - **Morgan T. Lubben** Buffalo, Minnesota *Journalism*

- **Andrew P. Lundeen** Cokato, Minnesota *Criminal Justice*
- Jacob A. Maahs Underwood, Minnesota Criminal Justice
- •• Rebecca A. Maciej Rice, Minnesota Public History History
- •• Shandi M. Mack West Fargo, North Dakota Political Science International Studies
  - **Geoffrey E. Martin** Fargo, North Dakota *History*
  - **Kaylee N. Martin** Staples, Minnesota *Public Relations and Advertising*
  - **Tyler J. Mauch** Mooreton, North Dakota *Criminal Justice*
  - **Brandon R. McBain** Moorhead, Minnesota *Criminal Justice*
  - Samantha M. McCormick Bismarck, North Dakota

Art

- **Ryan L. Moran** Fargo, North Dakota New Media and Web Design
- **Andrew L. Nerison** Rogers, Minnesota *English*
- **Rachel M. Olson** Grand Forks, North Dakota *Agricultural Communication*
- **Danielle C. Pepper** Fargo, North Dakota *Anthropology*
- **Kelsey A. Petersen** Wahpeton, North Dakota *Criminal Justice*
- **Joshua P. Peterson** Fargo, North Dakota *History*
- **Tess M. Peterson** Circle Pines, Minnesota Women and Gender Studies
- Kent J. Pierskalla St. Joseph, Minnesota Sociology
- Mercedes R. Pitzer New Hope, Minnesota Health Communication
  - **Danielle M. Poce** Elk River, Minnesota *Criminal Justice*
  - **Chase B. Raeder** Christine, North Dakota *English*
  - Erik A. Renstrom St. Paul, Minnesota Criminal Justice
- Joseph D. Schuler Bismarck, North Dakota Social Science
  - **Stacey A. Schulte** Fargo, North Dakota Women and Gender Studies
  - **Nikolaus J. Severson** West Fargo, North Dakota *History*
  - **Brennan S. Shorter** Albertville, Minnesota *Criminal Justice*
  - **Jeffrey P. Sprout** Fargo, North Dakota *Political Science*
  - **Demetri A. Stafford** Port Huron, Michigan *Criminal Justice*
  - Robyn J. Stessen Glencoe, Minnesota Anthropology International Studies
  - **Braden J. Stevenson** Bismarck, North Dakota *New Media and Web Design*
- Daniel A. Stroup Fargo, North Dakota *Emergency Management*
  - **Jennifer R. Swenson** Sebeka, Minnesota *Sociologγ*
  - Nathan W. Szurek Andover, Minnesota English

**Andrew T. Thanypiny** Fargo, North Dakota *Sociology* 

• Victoria M. Thelen Fargo, North Dakota

Management Communication

International Studies

**Meghan L. Thomas** Devils Lake, North Dakota *Criminal Justice* 

**Robert L. Tieso** Stillwater, Minnesota *Journalism* 

**Torri L. Traxler** San Diego, California *Health Communication* 

**Sean N. Tressman** Maplewood, Minnesota *History* 

Zakia Triffi Paris, France
 Environmental Design
 Michael K. Uwe Accra, Ghana
 Emergency Management

**Jenae E. Valvoda** Pine City, Minnesota *English* 

**Tyler B. Walker** Hastings, Minnesota Environmental Design

Ann T. Waskosky Coon Rapids, Minnesota English International Studies

# BACHELOR OF SCIENCE IN ARCHITECTURE

Shelby K. Augustine Goodhue, Minnesota Michael A. DeLaRosa Inver Grove Heights, Minnesota

Collin S. Johnson Detroit Lakes, Minnesota Jessica L. Mayo Fargo, North Dakota Michael P. Schnack Plymouth, Minnesota

# COLLEGE OF BUSINESS

Candidates to be presented by Interim Dean Jane Schuh and marshaled by Paul Brown and student marshal Elsa Bollinger.

#### BACHELOR OF SCIENCE

- **Mohamud S. Abdikadir** Fargo, North Dakota *Business Administration*
- Eric J. Anderson Clear Lake, Minnesota Management Information Systems
- **Joseph J. Anderson** Lakeville, Minnesota *Marketing*
- Kaitlin E. Anderson Fargo, North Dakota Management
- **Daniel B. Aubol** Big Lake, Minnesota *Management*
- **Brett J. Bakken** Goodridge, Minnesota Management Information Systems
- Melissa A. Bakken Pelican Rapids, Minnesota Management Information Systems
- Alexandra E. Balke Inver Grove Heights, Minnesota

Finance

- Mostafa A. Bashir Moorhead, Minnesota Accounting
- Rachel A. Bausman Benson, Minnesota Management
- ••• Mitchell W. Benson Stephen, Minnesota Business Administration
  - **Jenica J. Bohnenkamp** Gwinner, North Dakota *Management*
  - **Elise J. Braun** Bismarck, North Dakota *Marketing*

Management

- **Kelsey M. Braunberger** Minot, North Dakota Business Administration
  - Human Development and Family Science
- Curtis J. Bryniarski Browerville, Minnesota Management
- Jacob W. Cusick Cottage Grove, Minnesota Accounting
- Daniel H. Deyle Fargo, North Dakota Accounting
  - **Zachary J. Enz** Mankato, Minnesota *Management Information Systems*
- Heather Everson Wendell, Minnesota Marketing
  - **Jennifer L. Fischer** Fargo, North Dakota *Management*
  - James W. Frohreich Champlin, Minnesota Finance
  - **Tyler A. Gaugler** Bismarck, North Dakota *Finance*
  - **Trevor R. Gebhart** Sioux Falls, South Dakota Business Administration
  - Jake A. Germundson Williston, North Dakota
  - Michael C. Gillitzer Eden Prairie, Minnesota Management

- •• Kaili Gong Zibo, Shandong, China Accounting
  - Matthew T. Grenz Fargo, North Dakota Management Information Systems
  - **Tanner D. Grunewald** Ada, Minnesota
  - **Garrett B. Gulsvig** Faribault, Minnesota *Finance*
  - Colten J. Heagle Appleton, Wisconsin Marketing
- **Shawn C. Heinen** Sartell, Minnesota *Accounting* 
  - **Anthony D. Heisler** Howard Lake, Minnesota *Finance*
  - **Grant L. Hermanson** Fargo, North Dakota *Accounting*
  - Casey E. Hickel Wahpeton, North Dakota Management
  - **Brandon R. Hoium** Madison, Minnesota *Marketing*
  - **Lindsey J. Hulm** Linton, North Dakota *Finance*
  - **Trisha D. Illies** Lisbon, North Dakota *Finance*
  - Nicholas A. Johnson Plymouth, Minnesota Marketing
  - **Micaela M. Kempf** Barnesville, Minnesota Marketing

Management

- Max S. Ketterling Oakes, North Dakota Management Information Systems
- **Logan M. Kiltie** Apple Valley, Minnesota *Marketing*
- **Gavin M. Klemm** Wheaton, Minnesota *Business Administration*
- Ryan J. Klocke Fargo, North Dakota Management Information Systems Spanish
  - **Kayla R. Knutson** Montevideo, Minnesota *Marketing*
  - **Shane M. Kokinos** Rushford, Minnesota *Business Administration*
  - **Tanner C. Komrosky** Cando, North Dakota *Finance*
  - Nicole A. Krapfl Rogers, Minnesota Accounting Management
  - Mitchell A. Krauter Regent, North Dakota
  - **Brandon S. Lamping** Eden Prairie, Minnesota *Accounting*
  - **Jonathan M. Lee** Wahpeton, North Dakota *Management Information Systems*

- **Matthew R. Limoseth** Rogers, Minnesota *Business Administration*
- •• Quincy A. Lofberg Thief River Falls, Minnesota Management
  - **Charlie N. Luong** West Fargo, North Dakota *Finance*
  - McCoy J. Lupo Dickinson, North Dakota Marketing
  - **Timothy K. Mangle** Maple Grove, Minnesota *Management Marketing*
  - **Collin J. McCoy** Le Sueur, Minnesota *Management*
  - **Ashley M. Moore** Carlos, Minnesota *Accounting*
  - Amar Musale Pune, India
    - Business Administration
  - **Peter A. O'Donnell** Fargo, North Dakota *Management*
  - **Dylan J. Offutt** Grafton, North Dakota *Finance*
  - Caitlin R. Olek Felton, Minnesota Finance
- ••• Marissa R. Olson Jamestown, North Dakota Finance
- Stacie L. Olson Hawley, Minnesota Management
  - Karysa R. Pederson Benson, Minnesota Marketing
- ••• Hannah E. Pilger Scottsdale, Arizona Marketing
  - **Chanel J. Robert** Goodhue, Minnesota *Marketing*
  - Ethan F. Rodgers Max, North Dakota Accounting
  - **Philip B. Rose** Fargo, North Dakota *Accounting*
  - **Joel M. Rosnau** Minneapolis, Minnesota *Management*
  - **Zhengyang Ruan** Shandong, China *Marketing*
  - **Angela M. Sather** West Fargo, North Dakota *Accounting*
- Ryan S. Saunders Cayuga, North Dakota Marketing
  - **Tanner B. Schlafman** Wilton, North Dakota *Marketing*
  - John D. Schmidt Fargo, North Dakota Accounting

- **Kira M. Schumaker** Bismarck, North Dakota *Finance*
- Adam J. Schwichtenberg Belle Plaine, Minnesota
  - Business Administration
- **Kiley J. Severson** Hayfield, Minnesota *Management Marketing*
- **Gregory W. Smidl** Apple Valley, Minnesota *Marketing*
- **Joshua A. Stastny** Mandan, North Dakota *Business Administration*
- Eric D. Steckling Chanhassen, Minnesota Business Administration
- **Erin L. Steffan** Devils Lake, North Dakota *Finance*
- **Laura A. Steffan** Belfield, North Dakota *Management*
- **Nicholas W. Stenzel** Rochester, Minnesota *Management*
- **Jacob A. Stevens** Bird Island, Minnesota *Accounting*
- •• Zachary S. Thelen New Munich, Minnesota Accounting
- **Kyle D. Veum** Edinburg, North Dakota *Accounting* 
  - **Benjamin S. Vogeler** Alexandria, Minnesota *Finance*
  - **Nicholas J. Voss** Casselton, North Dakota *Accounting Finance*
- Danielle M. Wahl Inver Grove Heights, Minnesota Marketing
- •• Jesse J. Wahl Fargo, North Dakota

  Accounting
  - Yang Wang Jinan, Shandong, China Accounting
  - **Abigail L. Weller** Hatton, North Dakota *Marketing*
  - **Brian D. Wilberg** Alexandria, Minnesota *Finance*
  - **Brant D. Wilson** Audubon, Minnesota *Finance* 
    - Marketing
- •• Dana E. Wood Fergus Falls, Minnesota Management
  - **Ellen J. Zetocha** Oakes, North Dakota *Management*

# COLLEGE OF ENGINEERING

Candidates to be presented by Dean Gary Smith and marshaled by Dr. Rajesh Kavasseri and Dr. Sumathy Krishnan and student marshal Michael Walmsley.

#### BACHELOR OF SCIENCE IN AGRICULTURAL AND BIOSYSTEMS ENGINEERING

Tyler M. Bergh Hallock, Minnesota

- Jeffrey M. Dockendorf Watkins, Minnesota Jacob L. Hanson Rose Creek, Minnesota Jake D. Hodorff Eden Prairie, Minnesota Christopher J. Koudela Alexandria, Minnesota
- Thomas J. Pederson Wheaton, Minnesota Elsie H. Satterfield Kalispell, Montana Mitchell D. Sawicki Wilton, North Dakota

# BACHELOR OF SCIENCE IN CIVIL ENGINEERING

Megan M. Albert Circle Pines, Minnesota Nathaniel P. Anderson Fargo, North Dakota Austin T. Becker Minot, North Dakota Paul B. Bervik Grand Forks, North Dakota

- Cari J. Blommel Grey Eagle, Minnesota Nathan J. Danner West St. Paul, Minnesota
- •• Lindsey A. Feyder Bovey, Minnesota Sean-Tom M. Garry Forest Lake, Minnesota Blake K. Hansen St. Cloud, Minnesota Stephen R. Joersz Washburn, North Dakota Kyle B. Kuhn Hastings, Minnesota Taylor M. LaHaise Grand Forks, North Dakota Christopher W. Larson Maple Grove, Minnesota Jordan S. Lillemon Ashby, Minnesota Joel T. Luing Worthington, Minnesota Anders S. Melby Lino Lakes, Minnesota Andrew T. Merkel Harwood, North Dakota Joseph R. Morrissette III Bismarck, North Dakota

Luke Otto Stillwater, Minnesota
Ryan Rieckman Willmar, Minnesota
Jason R. Sailer Dodge, North Dakota
Cody M. Sauer Pierz, Minnesota
Bradley J. Schaff Bismarck, North Dakota
Cody A. Strom Fargo, North Dakota
Zachary W. Taylor St. Cloud, Minnesota
Nathan H. Trosen West Fargo, North Dakota
Nicholas J. Wacholz Alexandria, Minnesota
Shane P. Winkler Henning, Minnesota
Drew A. Zaeske Fargo, North Dakota

# BACHELOR OF SCIENCE IN COMPUTER ENGINEERING

Vidisha N. Bhatt Ahmedabad, Gujarat, India Daniel J. Bitzan Moorhead, Minnesota Ravinder Chahal Gurgaon, Haryana, India Mariana Lopez Jaimez Toluca, Mexico Justin J. McIntosh Bagley, Minnesota

• Stephanie J. Rosen Waseca, Minnesota

Eric M. Schleper St. Joseph, Minnesota Arpit Singh New Delhi, India Tyler J. Todd Bismarck, North Dakota

# BACHELOR OF SCIENCE IN CONSTRUCTION MANAGEMENT

Huda S. Alhamadah Fargo, North Dakota Mason M. Beier Pekin, North Dakota Zachary J. Crisman Lakota, North Dakota Erik B. Diederich Fargo, North Dakota Kyle N. Dillon Woodbury, Minnesota

- Kyle J. Emanuel Schuyler, Nebraska
   Stephanie J. Foster Gackle, North Dakota
   Jeffrey M. Jackson Lakeville, Minnesota
   Richard C. Johnson New London, Minnesota
   Lucas W. Judd Deephaven, Minnesota
   Jacob A. Knain Rugby, North Dakota
   Milind B. Kokane Nashik, Maharashtra, India
   Matthew B. Lee Fargo, North Dakota
   Marcus R. Myre Scandia, Minnesota
- Kyle E. Pederson Benson, Minnesota John G. Stanchfield Crystal, Minnesota Govanni Vazquez Northfield, Minnesota Wanting Zhang Jining, Shandong, China Theodore J. Zierden Sartell, Minnesota

# BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

Aman I. Adam St. Paul, Minnesota Ibrahim A. Ahmed Kismayo, Somalia Elissa E. Dahl Long Prairie, Minnesota Jawaan D. Davis Chicago, Illinois Colten Ferris Fargo, North Dakota Peng Gao Jinan, Shandong, China Jacob M. Goodell Grand Rapids, Minnesota

- •• Joshua K. Haugen Bismarck, North Dakota Lucas P. Johnson Fargo, North Dakota Jamison R. Kahler Chanhassen, Minnesota Lee G. Keller Mandan, North Dakota Kristofer E. Larsen Becker, Minnesota Joseph P. Larson Fergus Falls, Minnesota
- Taylor N. Lee Buffalo, Minnesota Khamis S. Lemi Fargo, North Dakota Waylon R. Lindseth Bemidji, Minnesota Andre A. Marin Houston, Texas Reid B. McGraw Hutchinson, Minnesota Timothy J. Michlitsch Fargo, North Dakota Moe S. Oo Monywa, Myanmar
- •• Jason H. Radziszewski Vadnais Heights, Minnesota

Chad T. Roehrich Fargo, North Dakota Samir Saxena Kota, Rajasthan, India Gregory J. Schaff Bismarck, North Dakota Richard C. Schneider Bismarck, North Dakota

- Thomas E. Schwandt Moorhead, Minnesota
- Ahmed A. Suleiman Mogadishu, Somalia
   Travis J. Tolstedt Bismarck, North Dakota
- Tanner J. Voss Sauk Rapids, Minnesota Eric H. Weber Lino Lakes, Minnesota Andrew K. Widmer Fargo, North Dakota Drew A. Wyum Forman, North Dakota Tao Yang Chongqing, China

#### BACHELOR OF SCIENCE IN INDUSTRIAL ENGINEERING AND MANAGEMENT

**Omar Y. Ahmad** Dhahran, Eastern Province, Saudi Arabia

Pedro Augusto C. Dos Santos Petrópolis, Brazil Mitchell T. Giese Cottage Grove, Minnesota Bethny M. Hoff Minot, North Dakota Nitesh Kharel Kathmandu, Nepal Benjamin R. Klingbeil Minot, North Dakota Serhat C. Kofteci Adana, Turkey Jacob T. Makuei Maar, Jonglei, South Sudan Grant M. Olson Plymouth, Minnesota Kyle W. Sanford Bismarck, North Dakota

- ••• Katie K. Scholl Brainerd, Minnesota
- Nicholas J. Thomes Rogers, Minnesota Monit Verma New Delhi, India

# BACHELOR OF SCIENCE IN MANUFACTURING ENGINEERING

Connor M. Johnson Shoreview, Minnesota David M. Stenseth Bismarck, North Dakota Justin M. Van Keulen Rogers, Minnesota

# BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

- Samuel R. Benson Blaine, Minnesota
- ••• Joel R. Brummer St. Cloud, Minnesota

- Zachary P. Buth Barnesville, Minnesota Timothy R. Celander Fargo, North Dakota Jordan R. Clitty Sartell, Minnesota Patrick G. Collins Ramsey, Minnesota
- **Nicholas J. Elliott** Inver Grove Heights, Minnesota
- Jonathan D. Evert Grand Forks, North Dakota
- Cameron C. Hanson Sherburn, Minnesota Eric D. Haverluk Glen Ullin, North Dakota Tharindu D. Hettigoda Colombo, Sri Lanka
- Christopher C. Hines Andover, Minnesota
- ••• Dylan K. Hoffman Granite Falls, Minnesota Steven J. Hukriede Hawley, Minnesota Kaleb R. Hutchens Dickinson, North Dakota Bradley J. Johnson Buffalo, Minnesota Russell A. Koetz Fargo, North Dakota Sean V. Kohls New London, Minnesota
- Lance M. Krogh Circle Pines, Minnesota
- ••• Brandon D. Lee Wahpeton, North Dakota Jacob A. Leroux Hugo, Minnesota Jonathan P. Lindgren Fargo, North Dakota
- ••• Mindy K. Ludlum Mandan, North Dakota Joey L. Mack Halliday, North Dakota Nathan R. Marcy Pillager, Minnesota Kurtis J. Mattson Bismarck, North Dakota Mitchell J. Muske Forest Lake, Minnesota Tyler J. Reineke Clear Lake, Minnesota
- ••• Peter K. Roller Jr. Jamestown, North Dakota Daniel F. Ronnevik Fergus Falls, Minnesota
- •• Craig R. Roske Grey Eagle, Minnesota Kyle E. Sandberg Buffalo, Minnesota
- ••• Dustin P. Scheer Casselton, North Dakota
- Matthew P. Schmidt Bismarck, North Dakota Andrew P. Schwartz Shoreview, Minnesota Rachel R. Tharalson Hoople, North Dakota
- •• Joseph C. Wheatley Hutchinson, Minnesota

# HUMAN DEVELOPMENT AND EDUCATION

Candidates to be presented by Dean Virginia Clark Johnson and marshaled by Dr. Stacy Duffield and student marshal Cody Ness.

#### BACHELOR OF ARTS

- •• Michele A. Moquist Fargo, North Dakota English Education
- ••• Paige E. Olson Fargo, North Dakota English Education

#### **BACHELOR OF SCIENCE**

- Elizabeth A. Anderson Hawley, Minnesota Apparel, Retail Merchandising and Design Julie L. Anderson Rosemount, Minnesota
- Julie L. Anderson Rosemount, Minnesota Human Development and Family Science
- Mackenzie A. Bade Arlington, Minnesota Human Development and Family Science
- Chandra R. Beehler Mandan, North Dakota Apparel, Retail Merchandising and Design
  - Cole D. Bender Regan, North Dakota Sport Management
  - **Ryan J. Berg** Lakeville, Minnesota *Human Development and Family Science*
- **Kayla R. Birkholz** Fargo, North Dakota *English Education* 
  - **Regina G. Bitzan** Gardner, North Dakota Human Development and Family Science
    - Megan C. Bohn Grandin, North Dakota Human Development and Family Science
  - **Ashleigh N. Burbank** Fargo, North Dakota Hospitality and Tourism Management
  - Caleb C. Carlson Grafton, North Dakota
    Exercise Science
  - **Jenna K. Carlson** Fargo, North Dakota *Apparel, Retail Merchandising and Design*
- Kelsey A. Casselle Rancho Cucamonga, California
  - Sport Management
- Grace A. Christian Granite Falls, Minnesota Apparel, Retail Merchandising and Design
  - Elise M. Citrowske Canby, Minnesota Apparel, Retail Merchandising and Design
  - **Hannah A. Colby** Sandstone, Minnesota *Dietetics*
  - **Chelsi A. Collins** Mandan, North Dakota Human Development and Family Science
  - Lauren T. Cundiff Fargo, North Dakota Hospitality and Tourism Management
  - **Kelsey L. Daul** West Fargo, North Dakota Apparel, Retail Merchandising and Design
- ••• Megan A. Dix Pierre, South Dakota Human Development and Family Science
  - Christian L. Dudzik Omaha, Nebraska Sport Management Philosophy/Humanities
  - Amber K. Eastman Allegan, Michigan Apparel, Retail Merchandising and Design
- Blake R. Ehley Zimmerman, Minnesota
   Sport Management

- Michael T. Felt Redwood Falls, Minnesota Physical Education Health Education
- **Kaylie M. Ficek** Dickinson, North Dakota *Human Development and Family Science*
- Vanessa A. Forsman Rochester, Minnesota Human Development and Family Science
- •• Karen A. Freberg Menomonie, Wisconsin Interior Design
  - **Desirae S. Ganje** Fargo, North Dakota *Human Development and Family Science*
  - **Ethan J. Grefsrud** Hawley, Minnesota Sport Management
- Patrick C. Gulan Hankinson, North Dakota Comprehensive Science Education
- Chloe C. Gunderson Moorhead, Minnesota Human Development and Family Science
  - **Anders N. Gylland** Barnesville, Minnesota *Sport Management*
  - Michael D. Hardie Sioux Falls, South Dakota Sport Management
  - Jayne R. Harms Detroit Lakes, Minnesota Apparel, Retail Merchandising and Design
  - **Elizabeth L. Harrel** Chanhassen, Minnesota *Apparel, Retail Merchandising and Design*
  - Larwuo G. Harris Crystal, Minnesota Human Development and Family Science
  - **MyLynn W. Henderson** Lidgerwood, North Dakota
  - Apparel, Retail Merchandising and Design
  - **Amanda M. Henkels** Coon Rapids, Minnesota English Education Spanish Education
  - Mary E. Hischer North Branch, Minnesota Human Development and Family Science
  - Amanda M. Holmes Fridley, Minnesota Dietetics
    - Psychology
- •• Evan Johnson Brooklyn Park, Minnesota Social Science Education
  - Jacob R. Kiefer West Fargo, North Dakota
    Exercise Science
  - **Brittany A. Kingsbury** Grafton, North Dakota Apparel, Retail Merchandising and Design
  - **Kyle S. Kleinendorst** Grand Rapids, Minnesota *Sport Management*
- ••• Kristen M. Knight Grand Forks, North Dakota Human Development and Family Science
- •• Anthony G. Kohler Mandan, North Dakota Human Development and Family Science
  - **Michael B. Koska** Fargo, North Dakota *Social Science Education*
  - Carrie L. Kruize Wahpeton, North Dakota Human Development and Family Science
  - **Samantha J. Lako** Hunter, North Dakota *Biological Sciences Education*

- **Kelli A. Lamppa** Fargo, North Dakota *Apparel, Retail Merchandising and Design*
- •• Sarah M. Lanman Alexandria, Minnesota History Education History
- Stephanie A. Little Fargo, North Dakota Human Development and Family Science
- ••• Maddie L. McClellan Perham, Minnesota English Education
  - **Gina L. McCullough** Brooklyn Center, Minnesota
    - Human Development and Family Science
  - **Kendra R. Meyer** Melrose, Minnesota Sport Management
- Jennifer L. Mickels Fargo, North Dakota Human Development and Family Science Music
- ••• Samantha K. Mitterling Warroad, Minnesota

  Human Development and Family Science
  - **Chelsi M. Mooridian** Jamestown, North Dakota *Hospitality and Tourism Management*
  - **Andrew F. Nack** Osakis, Minnesota *Mathematics Education*
  - MacKenzie L. Olson Fergus Falls, Minnesota Hospitality and Tourism Management
- Qi Ouyang Guangzhou, China Interior Design
  - Meegan C. Parker Lebanon, Oregon Human Development and Family Science
- Madeline K. Plahn East Bethel, Minnesota Apparel, Retail Merchandising and Design Marketing
  - **Alyson C. Raymo** Elk River, Minnesota Human Development and Family Science
  - **Grant R. Richardson** Bemidji, Minnesota *Sport Management*
  - **Daniel C. Ricke** Park Rapids, Minnesota *Social Science Education*
  - Margery A. Rook Waco, Texas

    Human Development and Family Science

- Marshall P. Roorda Lakeville, Minnesota History Education
- **Kaytlin M. Roth** Motley, Minnesota Human Development and Family Science
  - **Alexis G. Ryan** Fargo, North Dakota Human Development and Family Science
  - **Kaylin R. Sheets** Moffit, North Dakota Human Development and Family Science
  - Ryan R. Siemieniewski Rutland, North Dakota Human Development and Family Science
- David C. St Peter Eagan, Minnesota English Education
  - Christa A. Stangl Pierz, Minnesota Dietetics
- •• Mikaela A. Stephenson Moorhead, Minnesota Health Education Physical Education
  - **Kaylie M. Teske** Fargo, North Dakota Apparel, Retail Merchandising and Design
  - **Kelsey J. Thoreson** Fargo, North Dakota Human Development and Family Science
  - Erika M. Tisdale Grafton, North Dakota Human Development and Family Science
  - Anna R. Tweiten Fargo, North Dakota Human Development and Family Science
  - **Taylor N. Tysdal** Page, North Dakota *Human Development and Family Science*
- Emilee E. Vetter Bismarck, North Dakota Social Science Education
- Zachary R. Vraa Fargo, North Dakota Sport Management
  - Bethany P. Waiwaiole Blaine, Minnesota Sport Management
- •• Sally R. Walker Minneapolis, Minnesota Sport Management
  - Marguerite A. Walter Cresbard, South Dakota English Education Spanish Education
  - Corbin R. Walters Shakopee, Minnesota Physical Education Health Education

# PHARMACY, NURSING, AND ALLIED SCIENCES

Candidates to be presented by Dean Charles Peterson and marshaled by Polly Olson and student marshal Brett Lyslo.

# DOCTOR OF PHARMACY **Dean Derfus** New Hope, Minnesota

#### **BACHELOR OF SCIENCE**

**Tafadzwa E. Bhobho** Harare, Zimbabwe *Pharmaceutical Sciences* 

**Blake A. Bixby** Erskine, Minnesota *Respiratory Care* 

- **Jordan A. Daly** Fargo, North Dakota *Respiratory Care*
- •• Kelli N. DuBord West Fargo, North Dakota Respiratory Care
- **Dena L. Gleason** Elk River, Minnesota Respiratory Care
- •• Kelsey L. Greenwaldt Morris, Minnesota Respiratory Care

**Jennifer E. Hulne** Abercrombie, North Dakota *Respiratory Care* 

**Elizabeth C. Kampa** Becker, Minnesota *Pharmaceutical Sciences* 

Mason M. Mastel Hazelton, North Dakota Respiratory Care

**Kathy Mok** Singapore Medical Laboratory Science

Respiratory Care

- **Sophors Tang** Oakdale, Minnesota Respiratory Care
  - **Noella Uwase** St. Paul, Minnesota *Respiratory Care*
- Katrina C. Valder Fargo, North Dakota Respiratory Care
   Justin D. Wennerberg Foley, Minnesota

#### Respiratory Care atrina C. Valder Fargo North Dakota

#### BACHELOR OF SCIENCE IN NURSING

Jacquelyn K. Armentrout Fargo, North Dakota Katie M. Benson Arvilla, North Dakota Caleb P. Christiansen Casselton, North Dakota Megaan J. Cianci Fargo, North Dakota Terra L. Fennern West Fargo, North Dakota Lisa M. Hagel Barnesville, Minnesota Tessa L. Hand Moorhead, Minnesota Trudy L. Hanson Starbuck, Minnesota Bonnie M. Hemquist Parkers Prairie, Minnesota Nytrisha J. Jacobson Fargo, North Dakota Danielle E. Janzen Roseau, Minnesota Lindy M. Johnson Frazee, Minnesota Lucy A. Kappel Williston, North Dakota Katelyn P. Kosen Hawley, Minnesota Tricia A. Melbye Moorhead, Minnesota Bethany J. Nies Fargo, North Dakota Kristin R. Oliver Fort Myers, Florida Rashelle M. Olson Foley, Minnesota Rachel M. Pecka Fargo, North Dakota Sarah Rampaart Plano, Texas Jennifer K. Reiter Grand Forks, North Dakota Alice Safe West Fargo, North Dakota

 Alexis K. Schauer West Fargo, North Dakota Molly M. Schellack Park Rapids, Minnesota Hannah C. Schiefelbein Park Rapids, Minnesota Heidi L. Selzler Fargo, North Dakota Sally L. Trottier West Fargo, North Dakota Cari A. Vasfaret Fargo, North Dakota Nicole M. Yantzer Moorhead, Minnesota

# SCIENCE AND MATHEMATICS

Candidates to be presented by Dean Scott Wood and marshaled by Dr. Donald Schwert and student marshal Anuj Teotia.

#### BACHELOR OF ARTS

- •• Jordann L. Brandner Bismarck, North Dakota Psychology
  - **Steven R. Buringrud** Gardner, North Dakota *Computer Science*
  - **Joseph S. Klabo** Bismarck, North Dakota *Zoology*
  - **Adam J. Knutson** Grand Forks, North Dakota Computer Science

#### BACHELOR OF SCIENCE

- **Sadia M. Abdulkadir** Mogadishu, Somalia *Psychology*
- Mustafa Ahadzada Frankfurt, Germany Zoology
- **Alero H. Ajogri** Fargo, North Dakota *Geology*
- Haaris Ali Fargo, North Dakota Zoology
  - **Samantha N. Almanza** Hatton, North Dakota *Psychology*
- •• Alexander J. Althoff Mantador, North Dakota Zoology
- ••• Cassie A. Anderson Excelsior, Minnesota Chemistry
  - **Tyler D. Antony** Big Lake, Minnesota *Mathematics* 
    - Chris B. Barnick Hazen, North Dakota Computer Science
    - Callie L. Barrett Williston, North Dakota Biological Sciences
    - Jamie M. Boespflug Lino Lakes, Minnesota Chemistry
  - Sydney L. Boschert Underwood, North Dakota Chemistry
  - **Emily D. Boyd** Scottsdale, Arizona *Zoology*
- **Michaela L. Branden** Hawley, Minnesota *Zoology*
- Brian P. Connelly Fargo, North Dakota Psychology
  - **Pragya Dahal** Kathmandu, Nepal *Biochemistry and Molecular Biology*
  - **Jeremy D. Dalos** Monticello, Minnesota *Zoology*
- •• Nilmini T. De Silva Thalangama, Sri Lanka Computer Science
  - Philip C. DeGreef Mandan, North Dakota Zoology
- **Eric DeRocher** Esko, Minnesota *Biological Sciences* 
  - **Mara V. Doran** Apple Valley, Minnesota *Psychology*
  - **Kristopher J. Ekart** Bismarck, North Dakota *Geology*

- **Tyler W. Ellsworth** Lakeville, Minnesota Zoology
  - **Alexandra A. Ericksen** Blaine, Minnesota *Psychology* 
    - Human Development and Family Sciences
- Peter T. Erickson Moorhead, Minnesota Psychology
  - **Sara M. Evanoff** Roseville, Minnesota *Geology*
  - **Paul A. Eyers** Sun Prairie, Wisconsin *Psychology*
- •• **Katie E. Field** Thompson, North Dakota *Psychology*
- ••• Brandon J. Fischer Coon Rapids, Minnesota Psychology
  - William F. Goracke Moorhead, Minnesota Biotechnology
  - **Chad R. Haabala** Alexandria, Minnesota Zoology Sociology
- ••• Pake E. Hagen Rugby, North Dakota

  Mathematics
  - Mathematics Education
- Caleb L. Halvorson Aberdeen, South Dakota Computer Science
  - **Nolan D. Haslop** Fargo, North Dakota *Computer Science*
  - **Sarah A. Haynes** Detroit Lakes, Minnesota *Psychology*
  - **McCall J. Henkel** St. Cloud, Minnesota *Psychology*
  - Joanna E. Heppner Warroad, Minnesota

    Mathematics
- ••• Amanda R. Hericks Watertown, South Dakota Zoology
  - **Catlyn J. Holowell** Fargo, North Dakota *Psychology*
- **Thomas W. Jaszczak** Lancaster, Minnesota Zoology
  - **Christopher R. Jones** Lindstrom, Minnesota *Psychology*
  - **Taylor A. Just** Farmington, Minnesota *Psychology*
  - **Yvon Kadeoua** Fargo, North Dakota Computer Science
  - **Pawan Katiyar** Kanpur, India Computer Science
- ••• Kendra M. Kibble Montevideo, Minnesota Zooloov
  - **Eunbi Kim** Mokpo, South Korea Statistics
- ••• Lynsey J. Kissinger Clearwater, Minnesota Psychology
- Chelsey M. Kjelland Fargo, North Dakota Psychology

- •• Matthew P. Kramer Bismarck, North Dakota Psychology
  - **Alayna C. Krantz** West Fargo, North Dakota *Psychology*
- Melissa K. Lacher Ipswich, South Dakota Psychology
  - **Paul J. Larson** Moorhead, Minnesota *Psychology*
- •• Benjamin J. LeVahn Alexandria, Minnesota Biochemistry and Molecular Biology
  - **Mikal M. Liebswager** Thompson, North Dakota *Zoology*
  - **Gabriel A. Lillestol** Grand Forks, North Dakota *Psychology*
- •• Sarah E. Lindblom Fergus Falls, Minnesota Zoology
- Amanda J. Lopez Blaine, Minnesota Psychology
  - **Alannah M. Marsh** Dickinson, North Dakota *Psychology*
  - **David N. Mauch** Fargo, North Dakota *Psychology*
  - **Elizabeth A. McNamara** Buffalo, Minnesota *Psychology*
  - **Katelyn S. Mertz** Sawyer, North Dakota *Psychology*
  - Michelle M. Midthun Cody, Wyoming Zoology
  - **Bianca A. Moravec** Fergus Falls, Minnesota *Zoology*
- Lynsey N. Morrell Mandan, North Dakota Psychology
  - **Kyle D. Nelson** Gary, Minnesota *Psychology*
- •• Emily A. Nilson Minot, North Dakota Biological Sciences
- Brittany A. Nordick Breckenridge, Minnesota Psychology Criminal Justice
  - **Glynis S. Nystrom** Hoffman, Minnesota *Zoology*
  - **Cody R. Okeson** Detroit Lakes, Minnesota *Zoology*
  - **David N. Oliver** Browerville, Minnesota *Zoology*
  - **Brittany B. Olson** Brainerd, Minnesota *Psychology*
  - **Brendin T. Pierre** Miami, Florida *Computer Science*
- Andriana R. Puchany Tioga, North Dakota

  Zoology
  - Chase R. Reuter Sauk Centre, Minnesota Mathematics

- Megan A. Rude Bismarck, North Dakota Psychology
- **Adam L. Sagaser** Tioga, North Dakota *Geology*
- Emily M. Sargent Fargo, North Dakota Psychology
- Mackenzie J. Schmuck Ashby, Minnesota Psychology
  - **Sarah N. Schroth** Shoreview, Minnesota *Psychology*
  - **Cody H. Schulz** Edgeley, North Dakota *Zoology*
- Tori M. Schwab Colorado Springs, Colorado Zoology
- **Bethany M. Schwandt** Fargo, North Dakota *Psychology*
- ••• Matthew J. Scott Fargo, North Dakota Psychology
  - **Udeep B. Sijapati** Kathmandu Nepal *Statistics*
- ••• Travis A. Skuza Fargo, North Dakota Zoology
  - **Garett P. Slater** Hettinger, North Dakota *Biological Sciences*
  - **Yechun Song** Liaoning, China Computer Science
  - **Joshua W. Sowl** Fargo, North Dakota *Psychology*
  - **Destini T. Spaeth** Fargo, North Dakota *Psychology*
  - **Benjamin A. Torgerson** Ham Lake, Minnesota *Geology*
  - Alex T. Van Ningen Moffit, North Dakota
  - **Peyton D. Vane** West Fargo, North Dakota *Zoology*
  - Jordan T. VanSickle Pillager, Minnesota Computer Science
- **Sadie M. Waite** West Fargo, North Dakota *Zoology* 
  - Rachel L. Westra Maple Grove, Minnesota Biological Sciences
  - **Derek J. Wikstrom** Woodbury, Minnesota *Mathematics*
  - Eric L. Wilcox Garrison, North Dakota Geology
  - Peggy A. Willenbring Albany, Minnesota
  - Carey A. Wilson Grand Forks, North Dakota
    Computer Science
- Alicia L. Zook Bismarck, North Dakota Psychology
  - Human Development and Family Science

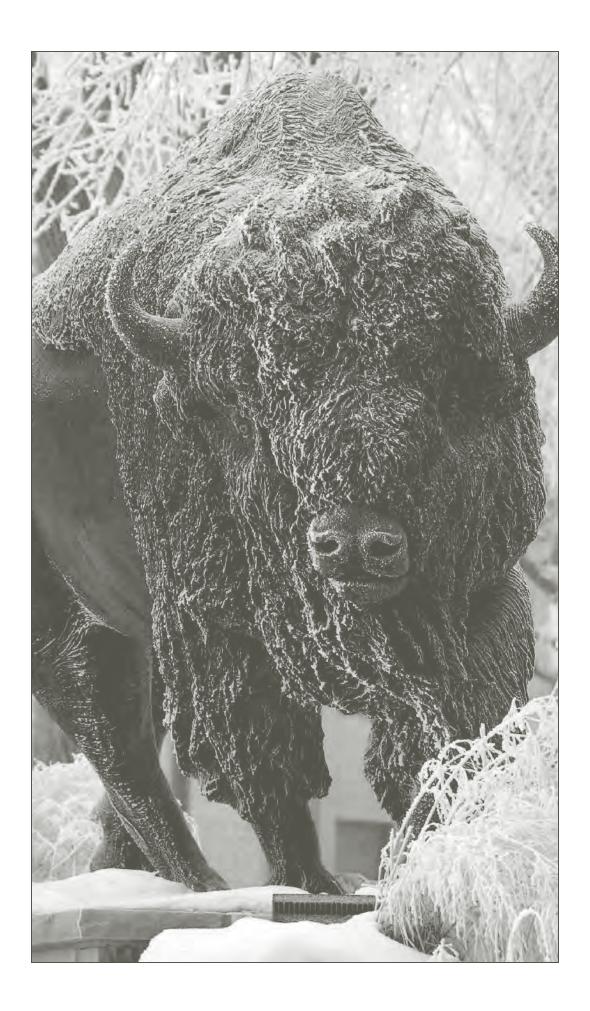
# COLLEGE OF UNIVERSITY STUDIES

Candidates to be presented by Associate Dean Carolyn Schnell and marshaled by Jessica Bauer and student marshal Megan Kortie.

#### BACHELOR OF UNIVERSITY STUDIES

Johnathon C. Crockett Fargo, North Dakota Brooklyn V. Dyce Winnipeg, Manitoba Kyle M. Fennell Bowman, North Dakota Tyler R. Gefroh Fargo, North Dakota Tyler J. Golden Warren, Minnesota Jeremy L. Gordon Milwaukee, Wisconsin

- Sarah Haider Fargo, North Dakota
   Zachary P. Johnson Fargo, North Dakota
- •• Megan M. Kortie Fargo, North Dakota Alyssa M. Kroshus Bismarck, North Dakota
- •• Morgan L. Olson Lisbon, North Dakota Jordan Pfingsten Fargo, North Dakota Timothy L. Roesch Fargo, North Dakota Teia M. Roller Dickinson, North Dakota Olivia J. Salo Duluth, Minnesota Natasha L. Salzer Ashley, North Dakota Jared J. Tabor Devils Lake, North Dakota



# THE ACADEMIC PROCESSIONAL

The academic processional that officially preludes the Commencement ceremonies on college and university campuses is one of the oldest and most colorful customs that link 21st century education with its early origins.

To signal the achievements of their students, American institutions of higher learning conduct a formal ceremony to award the appropriate degrees earned at the conclusion of prescribed study. The action of taking the degree — baccalaureate, master's or doctorate, as well as the designation of the day itself is Commencement. Various explanations of the term Commencement are possible. The most likely is that centuries ago the bachelor, originally an apprentice, began an apprenticeship upon that day; and with the degree of M.A. and Ph.D., the masters and doctors commenced their work upon the day their degrees were conferred. So today, students, having finished their preliminary education, set out upon the career for which they have prepared.

#### ACADEMIC APPAREL

As cited in Academic Heraldry in America (Sheard, 1962), the academic regalia worn at Commencement is of medieval origin. The scholars of Bologna, Salamanca, Paris, Oxford, Cambridge, Louvain and Heidelberg dressed in a manner to distinguish themselves from the merchants and other townspeople. Since the 11th century, when the rise of universities began, "learned clerks" robed themselves in gowns, caps and hoods, thus marking a difference between "town and gown."

By this apparel they were recognized as belonging to the teaching guild, which was the Guild of the Master of Arts. In this organization, the bachelor was the apprentice of the master. This relationship was the forerunner of today's academic structure.

Today, customs vary in different parts of the world. Generally in Europe, professors wear the type of garment customary in the university where they are lecturing. In the United States, professors continue to wear the gown and hood of the university from which they received their highest degree. The gown, in origin, may have been simply a type of overcoat to protect the teacher from the cold in unheated buildings; the cut or style seems to be derived from ecclesiastical attire. It has usually been black; however, in recent years some institutions have adopted a school color for their gowns. The gowns of bachelors and masters are usually without trimmings of any sort, whereas those of doctors are faced down the front with velvet and adorned with three velvet bars on the sleeves.

The cap or "mortarboard" may have come from the squarish cap worn by the masons of the Middle Ages, or perhaps was suggested by the shape of the books that occupied so much of the scholar's time. Attached to a button atop the "mortarboard" is a tassel; bachelor's and master's tassels are black or color appropriate to the subject; doctors' tassels are black or golden. The tassel is worn on the left side by individuals receiving or have received a degree. For photography purposes, a candidate's tassel may be worn on the right side of the mortarboard.

The hood, a triangular fold of cloth worn over the back of the gown, is faced with colors which denote the field of study represented by the wearer's degree; the colors of the lining are those of the college or university that granted the degree. The length of the hood is correspondingly longer with each higher degree. The wide velvet borders extending down the front of the doctoral gown, the velvet bars on the sleeves and the borders of most hoods, are colored according to the scholarly field of the wearer. The most usual of these doctoral hood colors are the following:

blue violet Architecture white Arts, Letters and Humanities copper Economics light blue Education Engineering orange brown Fine Arts crimson Communication purple lemon Library Science Music pink dark blue Philosophy sage green Physical Education salmon pink Public Health Science gold scarlet Theology

While the arrangement of colors is pleasing to the eye and add beauty and impressiveness to ceremonial processions, there is historic significance attached to their selection.

The white for arts and letters comes from the white fur of the Oxford and Cambridge B.A. hoods. The red for theology, as used by cardinals for centuries, follows the traditional color of the church. The purple for law comes from the royal purple of the king's courts. The green for medicine, from the stripe in the army surgeon's uniform, and earlier from the color of medicinal herbs.

The degrees in philosophy are shown by blue, the color of truth and wisdom. Science by goldyellow, which signifies wealth contributed by scientific discoveries. Pink was taken from the pink brocade prescribed for the Oxford doctors of music. Olive, a shade of green, was selected for pharmacy, which is closely allied to medicine; while russet brown, the color of dress worn by old English foresters, indicates forestry.

Graduate candidates wear a hood colored according to the scholarly field of the wearer. All graduate candidates wear a black tassel. At North Dakota State University the color of the tassel signifies the college in which the undergraduate degree is earned:

maize Agriculture, Food Systems, and Natural Resources brown Landscape Architecture and Environmental Design white Arts, Humanities and Social Sciences drab Business Education light blue orange Engineering Human Development maroon Nursing apricot olive green Pharmacy golden yellow Science and Mathematics white University Studies

#### UNIVERSITY MACE

The mace has an ancient history of use as a symbol of authority. Originally used by knights or a royal bodyguard to protect a king in processions, the mace evolved to assume more ceremonial functions by the 14th century. As a symbol of order and authority, the NDSU mace is now carried by the Stage Marshal, the presiding officer of the Faculty Senate, before the president and other platform party dignitaries in Commencement processions.

# GRADUATION HONORS

WITH HONOR: Graduation with honor applies only to the baccalaureate degree. Graduate courses will not be included in the computation. Candidates who entered NDSU as freshmen and who have earned an institutional grade-point average greater than or equal to 3.5 and less than 3.7 will be graduated Cum Laude, an institutional gradepoint average greater than or equal to 3.7 and less than 3.9 will be graduated Magna Cum Laude, and an institutional grade-point average greater than or equal to 3.9 and up to 4.0 will be graduated Summa Cum Laude. All final grades on the NDSU academic record will be included in grade-point average calculations for graduating with honor. The honor medallion is a gold medallion on a yellow ribbon and is worn around the neck. The medallion features the NDSU seal.

Other academic honors include the following:

BETA GAMMA SIGMA, international business honor society: A blue and gold cord is worn around the neck. Students, by class, who qualify are: juniors, top 7 percent; seniors, top 10 percent; and MBA students, top 20 percent.

BLUE KEY, *national honor society:* A blue and gold medallion with a blue ribbon is worn around the neck. Blue Key recognizes students for remarkable leadership and outstanding service to the university and the community. Academic achievement of members must be within the top 35 percent of their class.

GAMMA SIGMA DELTA, international agriculture honor society: A forest green and light tan honor cord is worn around the neck. Membership is conferred upon selected students who have demonstrated superior teaching, research or service to agriculture while maintaining a 3.5 grade-point average. Members represent agricultural excellence at the undergraduate, graduate and post-graduate levels.

GOLDEN KEY, *international honor society:* A gold medallion on a blue and gold ribbon is worn around the neck. Golden Key recognizes juniors and seniors from all disciplines who are in the top 15 percent of their class.

LAMBDA BETA HONOR SOCIETY, national respiratory care honor society: A forest green and black ribbon pin is worn on the gown. Members must have completed at least 50 percent of their course work and rank academically in the top 25 percent of the respiratory care class.

LAMBDA PI ETA, *national communication honorary society:* A gold cord is worn around the neck. To qualify, members must have a cumulative grade-point average of 3.0 with a 3.25 in their communication major courses.

MORTAR BOARD, *national honor society:* A gold medallion is worn around the neck. Mortar Board recognizes college seniors for distinguished ability and achievement in scholarship, leadership and service. Members also must meet at least a 3.0 grade-point average.

#### NATIONAL RESIDENCE HALL

Honorary: A navy blue honor cord is worn around the neck. To qualify, members must demonstrate leadership and academic qualities within the top 1 percent of the residence hall population.

PHI ALPHA THETA, *national history honor society:* A pale blue and red cord is worn around the neck. Members represent excellence in historical research at all levels: undergraduate, graduate and post-graduate.

PHI ETA SIGMA, *national honor society:* A black and gold cord worn around the neck. To qualify, students must have a 3.5 institutional grade-point average at the close of any full-time semester during their first year.

PHI KAPPA PHI, honorary scholastic society: A gold stole is worn around the neck. Members are chosen from among students in the top 10 percent of their class.

PHI UPSILON OMICRON (PHI U), honorary human development and education society: Double cords of entwined purple, white and yellow are worn around the neck. Academic achievement must be within the top 35 percent of majors in the field who qualify for membership.

PI SIGMA ALPHA, *national political science honor society:* A cloissonné, medallion on a red ribbon, is worn around the neck. To qualify, students must have a cumulative grade-point average of 3.0 and have a 3.0 grade-point average in all political science courses.

PI TAU SIGMA, international mechanical engineering honor society: A white stole with the Pi Tau Sigma coat of arms is worn around the neck. To qualify, juniors in the mechanical engineering program must be in the top 25 percent of their class; as non-graduating seniors, members must be in the top 35 percent of their class.

PSI CHI, *national psychology honor society:* A silver stole is worn around the neck. To qualify, members must have a 3.0 cumulative gradepoint average, a 3.5 major grade-point average and rank in the upper 35 percent of their class.

RHO CHI SOCIETY, *national pharmacy honor society:* A purple and white honor cord is worn around the neck. To qualify, members must have completed their second year of the professional program. Membership is offered to the top 20 percent of the class.

SIGMA THETA TAU, *international honor society of nursing*: An orchid and white cord is worn around the neck. To qualify, members must have a 3.0 grade-point average, rank in the upper 35 percent of their nursing class and meet the expectation of academic integrity.

SIGMA TAU DELTA, international English honor society: A red stole is worn around the neck. Undergraduate members must rank in the top 35 percent of their class. Graduate members must have at least a 3.3 grade-point average.

TAU BETA PI. *national engineering honor society:* A white satin collar with the Bent embroidered in gold is worn around the neck. To qualify as juniors, members must be in the top one-eighth of their engineering class; as seniors, members must be in the top one-fifth of their engineering class.

TAU SIGMA DELTA, national architecture honor society: A white stole with gold embroidery is worn around the neck. To qualify, juniors or seniors must have a 3.0 grade-point average and be in the upper 20 percent of their class.

UNIVERSITY HONORS PROGRAM: A gold medallion on a green ribbon is worn around the neck. Honors program graduates have completed, in addition to their primary majors, a four-year curriculum of interdisciplinary honors courses and have produced and publicly presented a senior honors thesis.

UPSILON PI EPSILON, national computer science honor society: Medallion with burgundy ribbon is worn around the neck. To qualify, undergraduate students must be upperclass status in the top 35 percent of their class and have a minimum grade-point average of 3.3, with at least a 3.5 grade-point average in 24 or more credits of computer science courses. Graduate students must have at least 18 upper-division computer science credits with a minimum grade-point average of 3.5.

VETERAN HONOR SOCIETY: A red, white and blue braided cord is worn around the neck, adorned with a medallion representing the student's branch of service. To qualify, the student must have at least a 3.0 cumulative grade-point average and represent the North Dakota State University veteran community in a positive way.

# HONORARY DOCTORATES

#### 1939

Dean H. L. Bolley, D.Agr. C. B. Waldron, D.Agr.

#### 1940

Arni Helgeson, D.Agr. George Will, D.Sc. Philip S. Rose, D.Agr. M. L.Wilson, D.Agr. Henry H. Kildee, D.Agr.

#### 1943

Maj. Gen. James A. Ulio, D.Sc. in Mil. Sci.

#### 1946

Dr. L.Van Es, D.Agr.

#### 1948

O.A. Stevens, D.Sc.

#### 1949

Jack Pyle, LL.D. Dr. F. L. Hovde, LL.D.

#### 1950

J. L. Coulter, D.Sc. Alex Lind, LL.D.

#### 1951

Clyde H. Bailey, D.Sc.

#### 1952

D. Milton Ladd, LL.D.

#### 1953

Dr. H. L. Walster, D.Sc.

#### 1954

Dean R. M. Dolve, D.Sc.

#### 1955

Dean W. F. Sudro, D.Sc. Newell P. Beckwith, D.Sc.

#### 1956

Roy Johnson, D.Sc.

#### 1957

John Haw, D.Sc.

#### 1958

Dr. Melvin Brodshaug, Litt.D. Duke de Vallombrosa, LL.D.

#### 1959

Donald Fletcher, D.Sc. James B. Konen, D.Sc.

#### 1960

T. E. Stoa, D.Sc. Robert B. Parrott, LL.D.

#### 1961

E. J. Haslerud, D.Sc

#### 1962

Charles E. Kellogg, D.Sc. H. H. Flor, D.Sc. George E. Abbott, D.Sc. Edward A. Steinhaus, D.Sc.

#### 1963

Dr. Irvamae Applegate, D.Sc. Dr. Hilton M. Briggs, D.Sc. Dr. Patrick H. Costello, D.Sc. Dr. James Scott Long, D.Sc.

#### 1964

Reuben W. Askanase, LL.D. W. B. Baker, LL.D. Ernest J. George, D.Sc. Clarence F. Kelly, D.Sc.

#### 1965

Dr. Marlin George Cline, D.Sc.
H. Christine Finlayson, D.Sc.
Justice Samuel Freedman, LL.D.
Lois Phillips Hudson, Litt.D.
Alvin A. Johnson, D.Agr.
Dr. Lyle W. Phillips, D.Sc.
Brig. Gen. Lawrence F.
Tanberg, D.Sc.
Clarice Gullickson Taylor, D.Sc.
Lawrence Welk, D.Mus.

#### 1966

Harold B. Bachman, D.Mus. Dr. Leon O. Jacobson, D.Sc. Robert Pearson, D.Sc. Glenn J. Talbott, D.Agr. Vernon O. Trygstad, D.Sc.

#### **Special Convocation**

#### Dec. 15 1966

General Harold K. Johnson, L.H.D.

#### 1967

Patrick E. Haggerty, D.Sc. Dr. E. F. Knipling, D.Sc. Dr. Casper I. Nelson, D.Sc. Dr. O. Meredith Wilson, L.H.D.

#### 1968

C. N. Nelson, D.Sc. Charles R. Walgreen Jr., D.Sc.

#### During Inaugural April 11 1969

Dr. Clifford M. Hardin, D.Sc.

#### 1969

Clifford H. Willson, D.Sc.

#### 1970

Gilmore T. Schjeldahl, D.Sc. Senator Milton R. Young, D.Sc.

#### 1971

Lawrence B. Hall, D.Sc. George A. Rogler, D.Sc.

#### 1972

Dr. H. R. Albrecht, D.Sc. Clyfford Still, D.F.A.

#### 1973

William L. Guy, LL.D. Dr. G. Wilson Hunter, D.Sc.

#### 1974

Miss Mercedes Bates, D.Sc. Dr. Reinhard Wolff, D.Sc.

#### 1975

Miss Peggy Lee, D.Mus. Irwin R. Rector, D.Sc.

#### 1976

Paul M. Gallagher, LL.D. Thomas S. Kleppe, LL.D. Satenig S. St.Marie, LL.D.

#### 1977

Albert Doerr, D.Sc. Harold Schafer, LL.D. Larry Alfred Woiwode, Litt.D.

#### 1978

Mark Andrews, LL.D. Dr. David Schindler, D.Sc.

#### 1979

Roland F. Harding, D.Sc.

#### 1980

Quentin N. Burdick, LL.D. Dr. Beverly Pfeifer Lynch, Litt.D.

#### 1981

M. Truman Fossum, D.Sc. Louis L'Amour, Litt.D. John L. McCormick Jr., LL.D.

#### 1982

Katherine K. Burgum, D.Sc. Dr. Robert W. Coon, D.Sc.

#### 1983

John Rouzie, D.Hum.Litt.

#### 1984

Brynhild Haugland, LL.D.

#### 1985

Edwin M. Anderson, D.Sc. John H. Ladish, D.Sc.

#### 1986

James H. Critchfield, D.Sc. Richard P. Critchfield, L.H.D. William A. Schlossman, LL.D.

#### 1987

Robert M. Hendrickson, LL.D.

#### 1988

Dr. Marvin E. Jensen, D.Sc. Glen J. Schoessow, D.Sc.

#### 1989

Ernest G. Anderson, D.Sc. Howard M. Olson, D.Sc.

#### 1990

Warren B. Diederich, D.Sc. Fred B. Scheel, LL.D. William J. Grosz, D.Sc. David M. Gipp, LL.D. C. Warner Litten, LL.D. Donald J. Kenna, D.Sc. Harold J. Klosterman, D.Sc. Anne Stegner, LL.D. Glenn S. Smith, D.Sc. Stanley W. Bale, D.Sc.

#### 1991

Lloyd Thompson, D.Sc.

#### 1992

Aldrich C. Bloomquist, D.Sc. Harvey K. Nelson, D.Sc. Art Bunker, LL.D.

#### 1993

Dr. Robert O. Brandenburg, D.Sc.

William C. Marcil, Litt.D. George A. Sinner, L.H.D.

#### 1994

Jean Mason Guy, L.H.D. Peter Schickele, D.F.A.

#### 1995

Dr. Jack F. Carter, D.Sc. Robert N. Spolum, LL.D.

#### 1996

Dr. Philip E. Austin, LL.D.

#### 1998 May

Lendal H. Kotschevar, LL.D. Ronald D. Offutt, LL.D.

#### 1998 December

Dr. James M. Sugihara, D.Sc.

#### 1999 May

Alf H. Clausen, D.Mus. Dr. R. James Cook, D.Sc.

#### 1999 December

Robert C. Dawson, LL.D.

#### 2000 May

David W. Bernauer, D.Sc. Douglas J. Burgum, LL.D.

#### 2000 December

Ervin E. Kaiser, LL.D.

#### 2001 May

Dr. A. Catherine Cater, D.F.A. Dr. Evelyn R. Morrow Lebedeff, LL.D.

#### 2001 December

Byron Dorgan, LL.D.

#### 2002 May

John Q. Paulsen, LL.D. Fred G. Paavola, D.Sc.

#### 2003 May

Ian B. Edwards, D.Sc. Michael E. Hanson, D.Sc.

#### 2004 December

General Charles F.Wald, LL.D.

#### 2005 May

James Rosenquist, D.F.A.

#### 2006 May

Steve Swiontek, LL.D.

#### 2006 December

Russell F. Freeman, LL.D.

#### 2007 May

Frank Jennings, LL.D. James Meier, D.Sc.

#### 2007 December

John Dean, D. Agr. Sheldon Ellig, LL.D. Harold Newman, LL.D.

#### 2008 May

Myron Bright, LL.D. Dr. Calvin Fercho, D. Sc.

#### 2008 December

Maj. Gen. Darrol G. Schroeder, LL.D. Maj. Gen. Terry L. Scherling, LL.D.

#### 2009 May

Robert Challey, LL.D.

#### 2010 May

Esther Myers, LL.D.

#### 2010 December

Barry Batcheller, D. Sc.

#### 2012 December

Gregg Halverson, D. Agr.

#### HONORARY DOCTORATES

#### - HONORIS CAUSA D. Agr. Agriculture

D.F.A. Fine Arts
D.Hum.Litt. Humane Letters
D.Mus. Music
D.Sc. Science
D.Sc. in Mil. Sci. Military Science
J.D. Laws
L.H.D. Humanities
Litt.D. Letters
LL.D. Laws

# **ACKNOWLEDGMENTS**

#### STAGE PARTY

#### Dr. Dean L. Bresciani

President

#### Dr. Timothy Alvarez

Vice President for Student Affairs

#### Dr. Elizabeth Birmingham

College of Arts, Humanities and Social Sciences, Associate Dean

#### Bridget Burke

Dean of Libraries

#### Dr. Elias Elias

University Distinguished Professor of Plant Sciences

#### Dr. Kenneth Grafton

Vice President, Dean and Director for Agricultural Affairs

#### Dr. Neil Gudmestad

University Distinguished Professor of Plant Pathology

#### Dr. Harlene Hatterman-Valenti

Professor of Plant Sciences

#### Dr. Beth Ingram

Provost

#### Dr. Thomas Isern

University Distinguished Professor of History and Religion

#### Dr. Virginia Clark Johnson

College of Human Development and Education, Dean

#### Dr. Kalpana Katti

University Distinguished Professor of Civil Engineering

#### Doug Mayo

Alumni Association and Development Foundation President/CEO

#### Dr. Kevin Melicher

State Board of Higher Education

#### Dr. Jo Ann Miller

University Distinguished Professor of Music

#### **Eveadean Myers**

Vice President for Equity, Diversity and Global Outreach

#### Dr. William Perrizo

University Distinguished Professor of Computer Science

#### Dr. Charles Peterson

College of Pharmacy, Nursing, and Allied Sciences, Dean

#### Michael Petyo III

Student Soloist

#### Dr. Birgit Pruess

President of Faculty Senate Associate Professor, Veterinary and Microbiological Sciences

#### Dr. Larry Reynolds

University Distinguished Professor of Animal Science

#### Heather Roller

Student Speaker

#### Dr. Carolyn Schnell

College of University Studies, Associate Dean

#### Dr. Jane Schuh

College of Business, Interim Dean

#### Dr. Gary Smith

College of Engineering, Dean

#### Dr. William Wilson

University Distinguished Professor of Agribusiness and Applied Economics

#### Dr. David Wittrock

College of Graduate and Interdisciplinary Studies, Dean

#### Dr. Scott Wood

College of Science and Mathematics, Dean

#### COMMENCEMENT MARSHALS

#### Dr. Edward Deckard

Faculty Marshal

#### Dr. Birgit Pruess

Stage Marshal

#### Dr. Eugene Berry Candidate Marshal

#### Dr. Ann Burnett

Candidate Marshal

#### Rian Nostrum

Candidate Marshal

#### Casey Peterson

Candidate Marshal

#### Dr. Tim Peterson

Candidate Marshal

#### Dr. Donna Terbizan

Candidate Marshal

#### READERS

**Brad Jones** 

Office of Admission

Wendy McCrory

Bison Connection/Bison Card

#### READER ASSISTANTS

RaNelle Ingalls

Registration and Records

Nancy Kasper

Registration and Records

#### **MUSICIANS**

North Dakota State University

Brass Ensemble

Dr. Jeremy Brekke, Director

Michael Petyo III

Student Soloist

# USHER/VOLUNTEER COORDINATORS

Amanda Groom

Registration and Records

Kaarin Remmich

Registration and Records

Colleen Solseng

Student Loan Center

Elton Solseng

College of Agriculture, Food Systems, and Natural Resources

Assisted by members of Student Association of Nutrition and Dietetics, Collegiate 4-H, Collegiate DECA, NDSU Pride Alliance, Ag Ambassadors, NACURH 2015 Conference Team, Blue Key National Honor Society, Bison Ambassadors, Associated General Contractors, Environmental and Conservation Sciences Graduate Student Association and NDSU Alpha Phi Omega.

#### COMMENCEMENT COMMITTEE

Jodi Askew

NDSU Bookstore

Dr. Thomas Barnhart

Human Development and Education

Dr. Jeremy Brekke

Division of Fine Arts

Ray Boyer

University Police and Safety Office

#### Dr. Edward Deckard

Agriculture, Food Systems, and Natural Resources

Sonya Goergen

Graduate and Interdisciplinary Studies

Nancy Gress

Human Development and Education

Amanda Groom

Registration and Records

Lisa Hauck

Global Outreach

RaNelle Ingalls

Registration and Records

**Brad Jones** 

Office of Admission

Rhonda Kitch

Registration and Records

Wendy McCrory

Bison Connection/Bison Card

Rian Nostrum

Residence Life

Dr. Warren Olfert

Division of Fine Arts

Dr. Laura Oster-Aaland

Student Affairs

Barb Pederson

Office of the President

Kaarin Remmich

Registration and Records

Dr. David Rider

Agriculture, Food Systems, and Natural Resources

Carol Miller Schaefer

NDSU Bookstore

Jackie Schluchter

Registration and Records

Matt Skoy

Memorial Union

Colleen Solseng

Student Loan Center

**Elton Solseng** 

Agriculture, Food Systems, and Natural Resources

Dr. Donna Terbizan

Human Development and Education

William Vandal

University Police

Stephanie Wawers

Office of the President

Pete Zimmerman

Facilities

# TO THE 2014 GRADUATE

Congratulations on earning your degree. You may not notice the difference, but today, along with your colleagues, you have become alumni. For you, one era has passed; another is about to begin.

You are a member of the Bison family and will continue to carry the reputation of North Dakota State University through your activities and accomplishments. You exemplify the results of a good education: a critical mind, a discerning spirit, higher values, a sense of commitment and the privilege of service.

By virtue of graduation, you are a member of the Alumni Association. We will provide you a continued NDSU connection with information, services, events, Bison Pride items and a Career Center link. Services include an online directory listing your classmates, event information, alumni maps, game-watch locations, Football Ticket Exchange Blog and more. Also, like us on Facebook at facebook.com/ndsu.fargo, follow us on Twitter (@ndsunews) and join our LinkedIn group (NDSUAlumni). We hope these resources will help you to stay in touch with your friends and classmates.

Your Alumni Association works closely with the NDSU Career Center to provide alumni services such as CAREERlink, an alumni job board, invitation to attend career fairs and access to online resources continue for all graduates. Alumni within five (5) years of graduation also have access to one-on-one resume critiques, cover letter reviews, interview preparation and job search strategies. All of the Alumni Association and Career Center services can be found at www.ndsualumni.com.

As alumni, you can assist the university in many ways. You can recruit highly qualified students, like yourself. You can proudly represent NDSU through personal and occupational achievements. You can give back financially through the Development Foundation. You can work in a volunteer capacity to coordinate special events conducted across the United States and internationally.

To you, your family, friends and those who helped you arrive here today, we extend our best wishes. You are joining a great family of more than 80,000 NDSU alumni working together to make a difference around the world. Welcome to the Alumni Association.

Go Bison!

Scott Handy, BS '80 \Chair, Alumni Association

THIS PROGRAM IS NOT AN OFFICIAL GRADUATION LIST.
While every effort is made to ensure accuracy in this Commencement program, printing deadlines may result in omission of some names and use of names of persons not completing graduation requirements as intended. This printed program, therefore, should not be used to determine a student's academic or degree status. The university's official registry for conferral of degrees is the student's permanent academic record, kept by the Office of Registration and Records.
North Dakota State University does not discriminate on the basis of age, color, disability, gender expression/identity, genetic information, marital status, national origin, public assistance status, race, religion, sex, sexual orientation or status as a U.S. veteran. Direct inquiries to the Vice President for Equity, Diversity, and Global Outreach, 102 Putnam Hall, (701) 231-7708.

OH, SAY CAN YOU SEE BY THE DAWN'S EARLY LIGHT.

WHAT SO PROUDLY WE HAILED AT THE TWILIGHT'S LAST GLEAMING?

WHOSE BROAD STRIPES AND BRIGHT STARS, THRU THE PERILOUS FIGHT.

O'ER THE RAMPARTS WE WATCHED, WERE SO GALLANTLY STREAMING?

AND THE ROCKETS' RED GLARE. THE BOMBS BURSTING IN AIR.

GAVE PROOF THROUGH THE NIGHT THAT OUR FLAG WAS STILL THERE.

OH, SAY DOES THAT STAR-SPANGLED BANNER YET WAVE

O'ER THE LAND OF THE FREE AND THE HOME OF THE BRAVE?

BY FRANCIS SCOTT KEY

BY FRANCIS SCOTT KEY

HO! A CHEER FOR GREEN AND YELLOW

UP WITH YELLOW AND THE GREEN,

THEY'RE THE SHADES THAT DECK OUR PRAIRIES

FAR AND WIDE WITH GLORIOUS SHEEN,

FIELDS OF WAVING GREEN IN SPRINGTIME

GOLDEN YELLOW IN THE FALL

HOW THE GREAT HIGH-ARCHING HEAVEN

WORDS BY A.E. MIN MUSIC BY DR. C.S. F

LOOKS AND LAUGHS UPON IT ALL.

NDSU NORTH DAKOTA STATE UNIVERSITY