



One Hundred Eighty-Fifth Commencement

Saturday, May Seventh
Two Thousand and Twenty-Two
The Monument Ice Arena

ORDER OF CEREMONY

Master of Ceremonies	Dr. Lance Roberts
Processional (<i>Stand</i>)	Graduation Band
<i>Pomp and Circumstance</i> by Elgar, arranged by Larry Clarke	
Presentation of Colors	Army ROTC Color Guard
President's Message	Dr. Jim Rankin
Recognition of the 50 Year Graduates	Dr. Lance Roberts
Senior Class Representative's Message	Mr. Jacob West
Message from the Board of Regents	Mr. Jeff Partridge
Commencement Address	Mr. Billy Mills
Presentation of Honorary Degrees	Dr. Jim Rankin
Conferral of Degrees	Dr. Jim Rankin
Presentation of Degree Candidates	Dr. Joseph Dlugos
Retirement of Colors	Army ROTC Color Guard
Recessional (<i>Stand</i>)	Graduation Band

Flourishes! by William Owens

SOUTH DAKOTA MINES GRADUATION BAND

Dr. Haley Armstrong, Director	Christian Olson, Trombone
Kaden Adrian, Trumpet	Andrew Peterson, Percussion
Angelina Benda, Clarinet	Kole Pickner, Euphonium
Kyle Bergevin, Alto Sax	Sara Ringheimer, Flute
James Gormley, Cello	Margaret Thompson, Flute
Micah Hoylman, Trumpet	Noel Utecht, Euphonium
Jacob Jorgenson, Trumpet	Derek Whitesides, Tuba
Carolyn Kocken, Flute	Cherokee Winkler, Cello
Karen Ly, Oboe	Tanner Ziwicki, Bass

This program is not an official document. Due to strict requirements, it must be printed before the final list of degree candidates can be determined.

50-YEAR GRADUATES

CLASS OF 1972

300 graduates (237 BS degrees, 62 MS degrees, 1 PhD)

Only those attending today's Commencement are listed below.

Michael Alley, *Geological Engineering, Nemo, SD*
Robert Apa, *Chemical Engineering, Boise, ID*
Bruce Bad Moccasin, *Civil Engineering,
Rapid City, SD*
Gary Baker, *Electrical Engineering, Akron, OH*
Ronnie Baruth, *Mining Engineering, Alpena, SD*
Alan Blair, *Civil Engineering, Grand Island, NE*
Bonnie (Koskan) Blair, *Chemistry, Grand Island, NE*
Bob Buchanan, *Electrical Engineering, Rapid City, SD*
Jerald Byg, *Civil Engineering, Ames, IA*
Jim Christman, *Civil Engineering, Fontana, CA*
Rick Clegg, *Civil Engineering, Rapid City, SD*
Barbara (Johnson) Coles, *Chemistry,
Williamston, MI*
Gary Coles, *Mechanical Engineering, Williamston, MI*
Dan Daniels, *Mechanical Engineering,
Fort Wayne, IN*
Gary Doolittle, *Geological Engineering, Austin, TX*
Gary Evensen, *Mining Engineering, Rapid City, SD*
Harald Flatøen, *Mechanical Engineering,
Bellevue, NE*
Joel Grace, *Mining Engineering, Cheyenne, WY*
Douglas Ham, *Civil Engineering, Shadehill, SD*
Ted Heidrich, *Mechanical Engineering,
New Underwood, SD*
John Hey, *Mechanical Engineering, Rapid City, SD*
Don Hixson, *Chemistry, Rapid City, SD*
Bill Klapperich, *Civil Engineering, Spearfish, SD*
Dale Koepp, *Mathematics, Colorado Springs, CO*
Greg Kronaizl, *Mechanical Engineering, Elkhorn, NE*
Jerry Lipovsky, *Mechanical Engineering,
Sioux Falls, SD*
David Nold, *Chemical Engineering,
Highlands Ranch, CO*
Daniel Nusz, *Mechanical Engineering, Cheyenne, WY*
Curt Olson, *Mechanical Engineering,
Rock Springs, WY*
Mat Peabody, *Chemical Engineering, Alto, MI*
Larry Pearson, *Mechanical Engineering,
Bennington, NE*
Steven Pirner, *Civil Engineering, Pierre, SD*
Jim Quinn, *Civil Engineering, Rapid City, SD*
Paul Schauer, *Electrical Engineering, Scottsbluff, NE*
Lyle Steffen, *MS Geology, Nemo, SD*
Larry Trautman, *Metallurgical Engineering,
Lemmon, SD*
Leo Van Sambeek, *Mining Engineering, Hermosa, SD*
Allan Walters, *MS Chemistry, Potomac, MD*

SENIOR CLASS REPRESENTATIVE

Mr. Jacob B. West

Jacob B. West came to South Dakota Mines after graduating from Sturgis Brown High School in Sturgis, SD. His parents are Kristen and Wade Huntington, and Brad and Karine West. He has two brothers, Joshua and Adam West, and two step-siblings, Katie and Kade Huntington.

West has been involved in various clubs and activities while at South Dakota Mines. He served on the Student Association Senate since 2018 in several committees and most recently as vice president. He is the business manager and a regent of the Theta Tau professional engineering fraternity, treasurer of the Order of Omega Greek honor society, a first-year student mentor, and an orientation leader. He served on the South Dakota State Student Council Association from 2015 to 2018, as state president for two years and Rushmore Region reporter for one year, winning the All-State Student Council award in 2018. He has worked as a videographer, graphic designer, website designer, sound technician, stagehand, database administrator, and photobooth owner. He is currently interning at Omnitech, Inc., in Sioux Falls.

After graduating with his Bachelor of Science degree in computer science, West will be working at Omnitech in Rapid City as a software engineer and outside sales representative.

HONORARY DOCTOR OF PUBLIC SERVICE

Mr. Don Barnett

Don Barnett graduated from Rapid City High School in 1960 and received a bachelor's degree in political science from South Dakota State University in 1964. He served in the U.S. Army from 1967 to 1969. His military service included a tour in Vietnam as commander of a medical company, and he earned a Bronze Star for meritorious achievement as a result.

In 1971, he was elected mayor of Rapid City, becoming its youngest mayor at the age of 28. During his tenure, he led the city through four turbulent years, including the long recovery process from the Black Hills flash flood of 1972, which caused \$165 million in damage and killed 238 people; and the heightened racial tensions, violence, and resulting American Indian Movement's civil disobedience in 1973. His guidance led to the development and construction of the Rushmore Plaza Civic Center (now known as the Monument), the central fire station, and the Dahl Fine Arts Center.

He founded three cable television corporations and was responsible for preparing and managing the application process for dozens of cable television franchises in seven states. He then served as vice president and national marketing director for First Golf Corporation, a golf course development firm which led to the creation of 20 public golf facilities in 11 states. He later worked in marketing at THK Associates in Aurora, Colorado, providing financial feasibility, land planning, and landscape architecture services.

He retired in 2010. He is an author, recipient of the 2018 Monsignor William O'Connell Founders Award by Catholic Social Services, and a 2011 inductee into the South Dakota Hall of Fame.

HONORARY DOCTOR OF PUBLIC SERVICE

Mr. Billy Mills

William "Billy" Mills, a member of the Oglala Sioux Tribe, was born in Pine Ridge and raised on the Pine Ridge Indian Reservation. Orphaned at age 12, he took up running, and set records in numerous track events during high school at the Haskell Institute in Lawrence, Kansas, a former residential boarding school for Native American children now known as Haskell Indian Nations University. He earned a track scholarship to the University of Kansas, where he excelled in cross country. He became a three-time NCAA All-American cross-country recipient and won the individual title at the Big Eight cross-country championship in 1960. After graduating, he served in the U.S. Marine Corps Reserve from 1962 to 1965.

Mills was largely unknown in the running world when he qualified for the 1964 Summer Olympics. His competition included Ron Clarke of Australia, the world record holder at the time. Mills became the first and remains the only gold medalist from the U.S. in the 10,000-meter run. His winning time of 28:24.4 was almost 50 seconds faster than he had run before and set a new Olympic record for the event.

Mills later set U.S. records for the 10,000-meter run and the three-mile run. He and fellow American Gerry Lindgren both broke the six-mile run world record in 1965, when they finished in a tie at the Amateur Athletic Union (AAU) National Championships.

He has been inducted into the U.S. National Track and Field Hall of Fame, the U.S. Olympic Hall of Fame, National Distance Running Hall of Fame, the Kansas Hall of Fame, the South Dakota Hall of Fame, the San Diego Hall of Fame, the National High School Hall of Fame, the American Indian Athletic Hall of Fame, and the National Native American Hall of Fame. He is an author, public speaker, and co-founder of the nonprofit organization Running Strong for American Indian Youth.

GRADUATE DESIGNATIONS

† Army ROTC Cadet being
commissioned as Second Lieutenant

‡ 2020 Graduate

‡‡ 2021 Graduate

‡‡‡ Summer 2022 Graduate

¥ Honors Program Graduate

BACHELOR OF SCIENCE DEGREE

*Cum Laude

**Magna Cum Laude

***Summa Cum Laude

White Tassels

Red Tassels

Gold Tassels

3.50 - 3.69 GPA

3.70 - 3.89 GPA

3.90 - 4.00 GPA

DOCTOR OF PHILOSOPHY DEGREE CANDIDATES

Biomedical Engineering

Zhipeng Liang

Electrospun Three-Dimensional Nanofibrous Structures for Biomedical Applications and Wearable Sensors

Chemical and Biological Engineering

Tanvi Govil

Green Manufacturing of Polyhydroxyalkanoate in a Single Step Consolidated Thermophilic Mini-Cell Factory

Abhilash Kumar Tripathi

Applications of Omics Technology in Deciphering Microbial Mechanisms in Environmental Waste Management

Geology and Geological Engineering

Brooke Lamonte Long-Fox

Environmental and Phylogenetic Controls on Shellmorphology in the Chemosymbioti Lucinidae (Bivalvia)

Geology, Geological Engineering, and Mining Engineering

Richard Amoako

Applied Machine Learning in Mine Safety and Short-Term Underground Mine Production Scheduling

Fleford Santos Redoloza

Investigating the Use of Convolutional Neural Networks and Generative Adversarial Networks for Hydrogeological Inverse Modeling of Channelized Aquifers

Nanoscience & Nanoengineering

Tochukwu Michael Emeakaroha

Spectrally-Resolved Multiphoton Image Scanning Microscopy of Natural Vascular Scaffolding in Porcine Arterial Walls and Other Biomaterials

Xavier Mary Jesintha Pasala

Dislocation Density in GaAs Thin Films and Quantitative Determination of Order-Parameter in Ordered-AllnP/GaInP Alloys Using Transmission Electron Microscopy

Ram Saraswat

Novel Micropatterned Biphasic Platform for Maintaining Chondrocyte Phenotype

MASTER OF ENGINEERING DEGREE CANDIDATES

Safety Management

Samantha Elizabeth Steffek†††

MASTER OF SCIENCE DEGREE CANDIDATES

Atmospheric & Environmental Sciences

Laramie Jaela Colvin

Austin Joseph Jerke

Joseph Map Kragness†††

Biomedical Engineering

Kyle Jacob Bergevin

Brock Don Folkers†††

Zachary Isaiah Nix†††

Chemical Engineering

Gorky†††

Jordan Alex Hoops

Gregory Warren Opdahl†††

Dipayan Samanta

Civil and Environmental Engineering

Anna N. Allen

Tanner Allen Jacobs

Joseph Leonard Luebbers

Joseph Bryan Mulcahey

Louis Arthur Ratcliffe

Garrett Edward Roach

Emily Elise Sande‡

Austin James Stahlke

Joshua Allen Trapp††

Andrew Josiah Benjamin Undt

Computer Science and Engineering

Adam Lee Lenox

Construction Engineering and Management

Franklin Joseph Luczak
Ira Michael Pace Murphey
Timothy Richard Myers
Cornelio Adrian Perez
Connie Jean Zehms

Electrical Engineering

Md Ali Azam‡
Anthony Dale Benitez
Firas Slewa Dawod
Brandon Michael DeVries
Jamison Scott Duckworth
Dalton Anthony Lund
Liam Carrington Samuelson McEuen
Skye Itza-Chu Rutan-Bedard

Engineering Management

Antonio Bano-Sanoguera
Miranda Faith Berge
Gerrit Tyler DeVries‡‡‡
Nathan D. Guymon‡‡‡
Kassidy Yvonne Kitzmiller¥
Maggie Ann Sebert
Abigail Alana Stark
Ryan Elizabeth Weiss
Beau Jackson White

Geology and Geological Engineering

Erica Wong Cung
John Bruce Hewitt
Stephanie Alicia Loose
Mathew Nicholas Weinberger‡‡

Industrial Engineering

Grant Thomas Syverstad

Materials Engineering and Science

Madilyn Rae Fesenmaier
Kirstie Marie Gildemeister###
Kal Aaron Imlay

Mechanical Engineering

Hayley Mikah Benson
Elise Margaret Flachs
James Ryan Gormley
Strauss Carl Langrud
Renner McArthur Larson
Christian Louis Leckband
Thomas Mathias Machamer
Nicholas Eric Pugh
Nicholas Kolby Zell###

Mining Engineering and Management

Clint William Kling
Archibald Warren Minerich

Paleontology

Michael E. Cyrier
Carolyn Marie Kocken
Colleen Ann Sullivan

Physics

Jairo Heran Rodriguez Rondon

BACHELOR OF SCIENCE DEGREE CANDIDATES

Applied Biological Sciences

Maya Isabelle Johnson

Applied & Computational Mathematics

Jordan Marie Baumeister

Anna Combalia I Pardo

Jacob Todd Harris

Peyton James Krahulik

Daniel Joseph Madden

Dustin N. Reff

Ian Matthew Shaver

Raiza Carmen Soares**

Jarod Tyler Svensson*

Benjamin Pratt Titus***

Atmospheric and Environmental Sciences

Lexy Ezrah-Jade Elizalde

Bryce Andrew McDermaid

Biology

Aubrey Corrine Gonsorowski

Anna Christine Thomas

Micaela Elise Zachmeier***

Biomedical Engineering

Kody Ray Hanson

Andrew James Kramer

Ethan Daniel Nesbit

Alexandra R. Reader

Adam Scott Trapp

Business Management in Technology

Dylan Thomas Colt

Darik Ethan Dudley

Kyle Thomas Haddix

Jonathan Aaron Mack

Elexious Shadrach Musick

Addie Jennine Stanley

Aren Charles Wells

Allec Marc-Kristopher Williams

Chemical Engineering

Helen Ayn Babits**
Shyann B. Bastian**
Henry Jacob Brouwer
Faith Marie Chambers
Nathan Timothy Claver*
Timothy T. Dunham
Rachel Yolanda Engel
Christen Violet Gauker*
Whitney Jimngang Djeumen***
Melissa Kay Johnstone*
Spencer A. Jones*
Isabel Olivia MacLachlan*
Ryan Moen**
Paiton Ann Mueller
Adam Jon Namyst
Trigg Scott Peasley*
Jessica Ann Peterson**
Drake Landen Schafer***
Kahlee Marie Taylor
Henry M. Washnok
Jacob Zoellner Wingert

Chemistry

Tatiana Irene Beasley
Audrey Elsa Dunn†††
Adam Mitchell Price
Greydon Scott Shangreaux

Civil Engineering

Dillon Andrew Batka
Devin Matthew Cheshier†††
Coleton Thomas Deitz***
Ashlee Jean Dikoff
Sydney Gabrielle Ferrie
Paige Renee Gehlsen
David James Gonzalez
Garrett Paul Jankord*
Cameron James Kenner
Jae JaRyn Kloker
Samantha Marie Kunkel
Jacob David Leone
Alexander J. Lesselyoung*

Emelia Rose Nelson
Brianna Clara Newman***
Cole Allan Peterson**
Alexus Drew Pierce*
Ethan Alexander Rader-Hunt
Naomi Loy Scherrer
Kyle David Schilling*
Isaac Kevin Schulz
Cole William Seiwald
Austin Taylor Shoun
Kate Lynn Sieverding
Megan Terese Stone
Nicholas Joseph Sudbeck**
Brandon Joseph Thomas**
Amanda Ann Tomes**
Taran Lynn Tucker
John Marek Vargo

Computer Engineering

Joshua Wayne Crawford
Samuel Stosh Donovan
Caleb Lewis Ehrisman
Tanner Joseph Hohn
David Michael Mathews
Andrew Thomas Nelson
Graham Townsend Noble
Jarod James Osborn*
Samantha Marie Pfeiffer**
Dustin Bryan Richards**
Avery Charles Schroer
Vytautas Juozas Soderholm

Computer Science

Minati Preetika Alphonso*
Dalton Scott Baker**
Jordan Marie Baumeister
Trevor Scott Bormann***
Jackson Stephen Cates***
Makiya Sol Crochiere
Ryan Christopher Driscoll*
Nathan Clint Fjelstad
Elijah James Flinders**
Lance Robert Henne

Daniel Kollodge
Peyton James Krahulik
James Matthew Leon
Ira Canfield Mitchell¥
Jarod James Osborn*
Andrew Glen Oveson
Madeleine Rose Price***
Dustin N. Reff
Jessica Michelle Roberts
Samuel John Ryckman***
Charles Thomas Scott Shook
Ranjun Arunjit Singh***
Raiza Carmen Soares**
Jay Charles Sprackling
Dana Marie Thomson**
Cole John Titze*
William Wendell Ward
Jacob Bradley West

Electrical Engineering

Christopher Daniel Belik
David Jeffrey Bolt***
Timothy Lawrence Crittenden
Spencer Doriot
Rebecca J. Fagrey*
Spencer Daniel Gerdes
Lane Hansen*
Nicholas Byron Janovy
Rhys Christopher Kenny
Shawn Allen Kohl
Toan Duc Luc
Sasha Anne Mahlen
Liam Carrington Samuelson McEuen***
Christopher Jacob Mentele***
Zachary George Mettler
Courtney Jack Miller***
Dillon James Muntefering
Joshua Dean Powell***
Jordan Robin Reed*
Ryland James Schmitt**
Abdoul Aziz Sore
Anders Stenstadvolden***
Abdollah Abdolvahed Tavangar

Kelsey Megan Webb**
Cherokee Murie Winkler***

Geological Engineering

Samuel Babbage Hatfield
Koby J. Klassen**
Grace Marie Lickteig*
Richard Lim*

Geology

Corrine Roe Cranor***
Shawn Israel Enstrom
Sawyer Scott Hagen###
Marissa Louise Holinka
Adam James Jaroszewski
Alice Gwen Morris
John Anthony Murzyn
Christopher James Patterson
Gabriel Stephan Poteet
Adam G. Vantellingen

Industrial Engineering and Engineering Management

Tanner A. Batka
Blake Andrew Benson*
Wyatt Andrew Dodge
Karlee Marie Dressen
Jonathan Robert Henkel
Jerald Cameron Hickey
Clint Nicholas Lewis
Jerrold Jeffrey Miller
Anthony Vernon Nelson
Jamie Michelle Pazour
Douglas William Wild Scott
Dessa Rae Spellman
Heidi Lynn Stiklestad*
Anthony Michael Ullrich
Chloe Elizabeth Wegehaupt
Samuel Douglas White
Sarah Marie Ziehm###

Interdisciplinary Sciences

Taran Scott Multz

Mathematics

Alysha Briana Aitchison
Garrett Paul Jankord*
Lane Daniel Jensen**
John Anthony Murzyn

Mechanical Engineering

Alex Jordan Aldes
Tavis Michael Allam
Garrett W. Ames*
McCoy James Bila**
Nickolas Darling Bock
Mark Edward Boden
Emma Lynn Boeke
David Craig Boisjolie
Chandler M. Callejo**
John Milo Carter
John Parker Chandler
Thomas Callahan Creese*
Justin Hunter Davis
Jack Sterling Douglas**
Jay Joseph Dykstra
Trevor Scott Elliott
Adrian Taylor Epp
Andrew Oliver Ferguson
Quincy Cooper Ford
Emory Scott Fryberger
Madison Makay Goldsmith
Shane Price Good
Ryan Patrick Grant
Austin Samuel Gutknecht**
Samuel James Hagen
Kody Ray Hanson
Ethan Daryl Hartmann
Aaron Matthew Hoelscher
Zachary Dean Hogan*
Alec Bradley Hohn
David Manuel Holzberger
Logan Robert Horsley**
Bryce J. Howard*
Chayse A. Jimenez
Aren S. Jorgensen
Wyatt John Gowan Kainz
Ryan Rodney Kappenman
Parker Tennysen Kirby
Spencer Steven Kirkpatrick

Adrianna Marie Larson
Renner McArthur Larson***
Michael Benjamin Linde***
Philip Andrew Litecky*
Brandon Jeffery Maag
Patrick K. McDonagh
Tony Curtis Monroe*
Robert Vern Munyan
Frederic Henryk Muteba
Darren Andrew Nissen‡*
Isaac Zackary Orozco
Zeb James Parsons
Willem Purcell Peters
Russell Ivory Phillips**
Kole Samuel Pickner*
James Donald Plutowski
Joshua Dean Powell***
Trey Daniel Powell
McCabe Alexander Radzwill
Alex Antoine Robin*
Daniel Scott Rohde*
Kaleb David Roth*
Samuel John Ryckman***
Daniel David Rynders
Theodore William Scheafer
Andrew Robert Scherrer**
Jacob Carl Schlinkert
Skyler Bradley Scott
Sommer Rose Scott**
Maggie Ann Sebert***
Jason S. Shields*
Hunter Reed Sperling
Casey Paul Strong**
Curtis James Swanson
Kelvin Michael Sweetman
Morgan Marie Tatge
Margaret Helen Thompson***
Leif Riley Thorson*
Theresa R. Tourtillott
Noel Matthew Utecht
Cade Robert Venhuizen
Ian G. Waltz
Kaelin Anthony Washington-Blair
Jacob C. West*
Jarod Allen White
Derek Brennan Whitesides

Shayne Whitmyer
Wyatt Ward Wienen
Shon Bennett Williamson
Logan James Wolbeck
Collin Van Zur*

Metallurgical Engineering

Logan Malachi Baker
RyAnne Blau Nathan
Marissa Abenecia Hirschert
Christopher William Mathews
Estee O. Medberry
Tate Richmond Nickerson
Tanner York O'Hara

Mining Engineering

Rhett Buttleman*
Stephen M. Dobie*
Karli Jo Fortner
Connor Kirk Garside†††
Kyle Benjamin Hughes**
Johnathan Philip Juergens*
Jared Daniel Kennedy
Carson James McDaniel**
Jordan Toler

Physics

Seth Isaiah Bendigo**
Jace Oliver Dashert†
Ian Edmund Gaida
Marcus Issac Heintzt

Pre-Professional Health Sciences

Makenna Bodette
Emma Elizabeth Murphy**
Zoe Noel Ryherd
Victoria Paige Tucker

Science, Technology, and Society

Brandi Jean Monnot

THE TRADITION OF COMMENCEMENT

Dating back to the universities of thirteenth-century Europe, the conferring of degrees signified that faculty members had attained the guild status of a master. Originally, this “master’s” degree was the only one offered; the baccalaureate was simply a stage toward mastership. During the ceremony, black robes were worn in imitation of the clergy, for church and university were one at the time. When the hood was placed over the candidate’s head, the ceremony was consummated, and mastership was achieved.

Over the centuries, graduation evolved to commemorate more than the end of an educational endeavor or the mastership of a craft. Instead, it became the start of a new adventure, a passage to professional status recognized by the community of scholars and the community at large.

Today, we call this ceremony commencement, a term defined as both an act of commencing and the ceremony for conferring degrees. In essence, it means a beginning within an end. A middle English term, commencement traces its roots to Anglo-French, Old French, and finally, the Latin word, *cominitiare*, a combination of the prefix *com* and *initiare*, meaning “together, begin,” a fitting origin for a term that evokes a graduate’s first steps taken in fellowship and a poignant reminder that in each destination lies a new dawn.

ACADEMIC ATTIRE

The use of academic dress stems from costumes used in universities of the fourteenth and fifteenth centuries, particularly at Oxford and Cambridge in England. The dress has been used in the United States since colonial times and was standardized by an Intercollegiate Code in 1895.

The style of gown and hood designate the degree earned. The bachelor’s gown is royal blue without a hood and the sleeves are pointed; the master’s gown is black and has oblong sleeves; and the doctoral gown is trimmed with velvet, has three distinctive chevrons on each arm, and bell-shaped sleeves.

The two colors on the inside of the hood are traditionally the colors of the college granting the degree. The School of Mines’ colors are blue and gold; however, the hood for the School of Mines is gold and silver, symbolic of the university’s connection to these precious metals. Caps are black mortarboards with the tassel worn over the left front quadrant.

As one may observe from the procession, the faculty wear hoods and gowns of varying styles and colors. The color of the tassel on the hat and the outside velvet trim of the hood indicate the field of study.

THE CEREMONIAL MACE

During today's ceremony, the chair of the faculty will carry the South Dakota School of Mines & Technology's ceremonial mace. The university mace is an academic tradition that dates back to medieval times. The mace has acquired the ceremonial function of "guarding" the president in the tradition of a medieval sergeant-at-arms.

The School of Mines mace was designed to represent the university's many disciplines. The handle was crafted from a fossil and represents paleontology, while the pink quartz sphere, encased in the symbol of an atom, symbolizes both geology and physics. The silver and gold signify the institution's rich mining tradition. The laurel leaf garland crown, fashioned from Black Hills Gold, represents a mark of honor, distinction, and success.

The mace was designed by Ms. Deborah Mitchell, former director of the Apex Gallery and associate professor in the Department of Humanities. The seal was engraved by Dr. Ryan Koontz, integrated manufacturing specialist for the Center of Excellence for Advanced Multidisciplinary Projects.

COMMENCEMENT COMMITTEE

Dr. Haley Armstrong
Ms. Ann Brentlinger
Dr. Joseph Dlugos
Ms. Diana Eastman
Ms. Morgan Else
Mr. Dane Finnesand
Ms. Gina Fiorello
Mr. Elijah Flinders
Dr. Jade Herman

Ms. Rachel Howard
Mr. Marlin Kinzer
Dr. Travis Kowalski, Chair
Ms. Michaela Mader
LTC Gregory Shipper
Ms. Rachel Skea
Dr. Vladimir Sobolev
Ms. Sarah Von Eye

SOUTH DAKOTA BOARD OF REGENTS

Ms. Pam Roberts, President
Mr. Jim Thares, Vice President
Mr. Tony Venhuizen, Secretary
Dr. Brian Maher, Executive Director
Mr. John W. Bastian

Dr. Joan Wink
Mr. Brock Brown
Mr. Jeff Partridge
Mr. Tim Rave

PHOTOGRAPHY SERVICES

The Grad Team will be providing photography services to the graduates. Photos will be available online at TheGradTeam.com/events approximately one week after the ceremony.

