Candidates for the Master’s Degree

This program was prepared on Nov. 4, 2022. The names of those students who were possible candidates for graduation on that date are listed. Changes made following this date are not reflected in the program.

COLLEGE OF ARTS, SCIENCES, AND EDUCATION
Mehrzad Boroujerdi, Vice Provost and Dean

TECHNICAL COMMUNICATION
Kristine Sweson, Chair
Charnise M. Anderson
Vivian Asigri
Lara Elizabeth Edwards
William D. Reardon

PHYSICS
Thomas Voitja, Chair
Emma Grace Phyllis
Lockyer
Onyx Russ

INTERIM CHAIR
Clair Reynolds Kueny,
PSYCHOLOGY

INDUSTRIAL- LEVIN
Victor Olaoluwa
Liam Thomas Harrison
Dakota William Shields

BIological science
David Duvernall, Chair

CHEMISTRY
Chariklia Sotiriou-Leventis, Chair
Liam Thomas Harrison
Victor Olaoluwa

APPLIED MATHEMATICS
John Singler, Interim Chair
Sarah Sarfaraz Khan
Caroline Elizabeth
Claire Schott

COllege of Engineering and Computing
David Borrok, Interim Vice Provost and Dean

Technical communication

TechnoLOGY

Juan Antonio

AEROSPACE ENGINEERING
David Bayless, Chair

Michael Moats, Interim Chair

Han Zhang

CHEMICAL ENGINEERING
Hu Yang, Chair
Majed Khalaf Alshammari
Anwin Joseph
Sindhuja Sivagnanam

CIVIL ENGINEERING
Joel Burken, Chair

Abdulrahman Hamid
Ussein Al-Qudaini
Justin Michael
Andrus-Bearden
Tejaswini Priyanka
Bodanapu
Michael Tyler Harden
Scott Andrew Hardy
William Scott Harlow
Tyler D. Monier
Robert Harrison Nunaley
Benjamin Akumuoh Ofie
Matthew Michael Ogden
Branson Ruddell
Aaron Lloyd Schneck
John Andrew Tartala
Sasikala Veerasamy

COMPUTER SCIENCE
Stephen Gao, Interim Chair

Nikhil Ankam
Benjamin James Hansen
Abhilash Goud Kasabu
Gouthami Miatapally
Venkati Yadav Moolamalla
Sai Sathvik Goud Palley

EXPLOSIVES ENGINEERING
Kwame Awaah-Ofie, Interim Director

Michael Anthony
DiGiacomo
Michael Koenig
Anthony R. Loflin
Alexander Colin Thayer

GEOLOGICAL ENGINEERING
Jeffrey Cawfield, Interim Chair

William James
Bakemeyer
Devon Michael Bell
Lyndsay Raymond
Bennett
Jared M. Branstetter
Kent Alfred Campbell
Jason Robert Cicardi
Austin Hunter Fine
Raphael Eric Garcia
Dackery James Geiman
Zachary Thomas Glenn
Benjamin Hines Graham
Kennard D. Harris II
Michael Francis L’Herault
Ka Phier Ler
Melanie Joy Mance
Idris Ahmad Mansaray
Kenneth Lavor Martin Jr.
Tiera Renee McCoy
Daniel Lee McIlhaney
Seth Andrew Mykut
Michael Thomas Parks
Tyler John Paulina
Kevin Rodriguez
Matthew Robert Sanford
Parker Scagg
Jonathon Daniel Voss
Molly Clare Wallar
Pierce Anthony Wallar
Ngo Hi Kenny Yue

GEOLOGY AND GEOPHYSICS
Jeffrey Cawfield, Interim Chair

Chatchai Karapong
Aryana Rockvam
Mattiann
Efren Mendez Jr.

GEOPHYSICS

Michael Anthony
DiGiacomo
Michael Koenig
Anthony R. Loflin
Alexander Colin Thayer

Nuclear engineering

Joseph Newkirk, Chair

Kristin V. Bender
Henry Thomas Elik
Phillip Chul Kim
Ty R. Krewson

Mechanical Engineering

David Bayless, Chair

Nuclear Engineering

Joseph Newkirk, Chair

Alexander Lee
Swearingen
This program was prepared on Nov. 4, 2022. The names of those students who were possible candidates for graduation on that date are listed. Changes made following this date are not reflected in the program. Names that appear followed by an asterisk indicate students who are participating in the ceremony, but are not expected to finish all degree requirements until Friday, July 29, 2022.

**Candidates for the Bachelor’s Degree**

This program was prepared on Nov. 4, 2022. The names of those students who were possible candidates for graduation on that date are listed. Changes made following this date are not reflected in the program. Names that appear followed by an asterisk indicate students who are participating in the ceremony, but are not expected to finish all degree requirements until Friday, July 29, 2022.
EDUCATION
Beth Kania-Gosche, Chair
Grant Tyler Freeman
Thuraia Ibrahim
Tadym Leane Mason
Kaitlynn Irene Murphy
Macie L. Parsons
Bailey R. Poncia

ENGLISH AND TECHNICAL COMMUNICATION
Kristine Sweson, Chair
Marita Hutinett
Keil Lyn Lea Johnson
Eileen Marie Kordick
Aidan L. Norris
Haley D. Roberson

HISTORY
Michael Bruening, Interim Chair
Seth Ryan Hill
Saul Michael Lynn

PHYSICS
Thomas Voja, Chair
Jacob T. Kinate
Charles Benjamin Kropp
Anthony Michael Lonsdale
Jacob Gregory Mizeur
Ian Alexander Smith
Jordan D. Stevens

PSYCHOLOGY
Clair Reynolds Kueny, Interim Chair
Zachary Kenneth Brooks
Liam Ballard O’Fallon
Emily R. Pearson
Mikayla D. Shy

COLLEGE OF ENGINEERING AND COMPUTING
David Borrok, Interim Vice Provost and Dean

BACHELOR OF SCIENCE

AEROSPACE ENGINEERING
David Bayless, Chair
Daniel Becker
Nathaniel Alexander Erickson
Kian A. Hill
Joseph J. Iavachuk
Cody E. Jiles
Kostas Achilleas Kakadiaris
Syr Charles Francis Lyons Arnold Khang Nguyen
Angela Concetta Sanfilippo
Lucas A. Scott
Samuel Sisk
Otto John Spaunhorst III
Tavon T. Tate
Hamilton Ryan
Katigbak Trinidad
Derek McKendree VanDemark

ARCHITECTURAL ENGINEERING
Joel Burken, Chair
Anna M. Allen
Mohammad J M J Almesbah
Melatonin Natalie Azimzadeh
Jessica M. Carr
Sarah Melissa Cavanaugh
Emily Ann Collins
Emilie Marie Esswein
Wilber Rafael Fernandez Romero
Xander T. Higgason
George Christopher Kiotzir Paul Augustus Knapp
Jack W. Ott
Brenan Daniel Pool
Sean N. Poth
Audrey Elise Powell
Trinity An Sconce
Diyesh Vinodray Shelar
Kamryn J. Sloan

CERAMIC ENGINEERING
Michael Moats, Interim Chair
Grace Christine Basler
Makayla Cheyenne Gamel
Krista M. Hilmas
Julia A. Johnston
Sophia Marisa Malpocker
Lauren Elizabeth Moeller
Carson Wyatt Benn
Anna L. Burke
Sarah Melissa Cavanaugh
Jennifer Michelle Collins
Emily Ann Collins
Jaden Hunter Courtois
Kayece Lynn Marie Cowley
Ashton N. Davidson
Alex Scott Durbin
Blake Christian Elder
Emilie Marie Esswein
Jeffrey D. Fiehler
Christopher G. Fitch
Ian Robert Fitch
Makayla Ann Fox
Luther Augustus Harris Jr.
Ryan B. Haskin
Cody James Heming
Jack C. Henke
Xander T. Higgason
Patrick Augustus Kenny-Smith
Lanie Nicole Kirkman
Jessica A. Kite
Adam Kreuger
Andrew Timothy Littich
Celia N. Ludvik
Ian A. Malone
Hannah Elizabeth Merji
Nathaniel McLeane
Meuser
Nathan Lane Miller
John Timothy Nyemetz
Jack W. Ott
Brenan Daniel Pool
Sean N. Poth
William H. Preckel
Jace Richard Roach
Kevin Christopher Saltwater
Tyler C. Sanzottera
Benjamin J. Schaefer
Brendan M. Schanuel
Brendan Michael Schmidt
Trinity An Sconce
Takoda Benjamin Smarr
Benjamin S. Straatman
Jacob Steven Stratman
Katelyn Belle Thompson
Drew D. Tonnis
Callie E. Urbas
Jacob William Voss
Jacob R. Wilcox
Wayne M. Williams
Marshall Hunter Woods
Quinton D. Zak
Cameron D. Zalmanoff
Xiang Zhao

CHEMICAL ENGINEERING
Hu Yang, chair
Logan Andrew Abkemeier
Anthony James Aholt
Rakan Zaid A. Alhalathy
Erica Gisel Alvarez
Evan Lind Birsinger
Allison Rose Block
Matt David Cooley
Derek L. Dilling
Dalton Anthony Dishman
Stuart Tavis Dixon
Aaron L. Faulkner
Dakota M. Faulkner
Daniel Fox
Trevor John Galbreath
Jessica Gensler
Caroline Elizabeth Goldkamp
Joshua W. Hendrickson
Jacob S. Kassing
James Richard Kirtley
Jason M. Kostelnick
Logan Eli Lewis
Erickson Styrk Ling
Lydia Rose Loethen
Evan Monroe McWilliams
Gwendolyn Leigh Miller
Jake Samuel Newell
Kalista Ray Olson
Madelyn Grace Oswald
Joshua R. Oursler
Ashley M. Pritchman
Samuel Stratton Ros
Joseph Malachy Schultz
Whitney J. Sheffield
Brandon T. Skoba
Michael J. Sova
Wyatt H. Spilker
Tori D. Tolen
Kylie J. Upward
Dylan M. Volland
Olivia Christine Walter
Sarah Katelyn West
Caroline Leeann Williams

CIVIL ENGINEERING
Joel Burken, Chair
Hyrum Dale Adams
Ryan Glennon Adams
Fahad S O S Alkahlawi
Melatonin Natalie Azimzadeh

COMPUTER ENGINEERING
Jonathan Kimball, Chair
Michael G. Bergh
Molly Budinger
Bryce Thomas Cambers
Austin M. Clubb

COMPUTER SCIENCE
Stephen Gao, Interim Chair
Aashi Agrawal
Andrew Thomas Bass
Jeffrey Aidan Bequette
Andrew D. Brissette
Nicholas T. Buerk
Shane Alec Cairns
Logan Choi
Michael William Countr Year
Alexander Evan Davies
Alexander J. Duffy
Andrew Michael Duke
Henri O. Evjen
Joseph H. Flynn
Michael Kent Frieden
Nicholas Brennan Fuller
Kincaid Dawson
Gallagher
Joseph Fagan Carbo Hare
Jack Ryan Harmon
Graham Collings
Hoestkamp
Mitchell R. Humphrey
Ethan Thomas Jaggie
Nicholas Alan Latinent
Jason Tyler Love
Aleksandar Mitrovic
Suzannah Xue Pan
Joseph R. Peak
June Renee Perry
Spencer Samuelson
Himnish Sapkowski
Elise M. Schilling
Clayton Joseph Schwab
Emily E. Skoglund
Bharat B. Sreekrishnavilas
Matthew J. Stoffa
Jack K. Stork
Sean Edward Weinland
Kameryn N. West
Jan-Robert J. Yeaton

Michael William Countr Year
Dylan J. Gianino
Trent Micheal Guettelman
Nicholas Sebastian Hoffman
Mitchell E. Martinez
Maxwell Carson McCune
Nhan H. Nguyen
Nishit Ashokbhai Patel
William Edward Schuenke
Andrew R. Simley
Brett M. Turner
Colton M. Walker
Jacob T. Wilson

Michael William Countr Year
Dylan J. Gianino
Trent Micheal Guettelman
Nicholas Sebastian Hoffman
Mitchell E. Martinez
Maxwell Carson McCune
Nhan H. Nguyen
Nishit Ashokbhai Patel
William Edward Schuenke
Andrew R. Simley
Brett M. Turner
Colton M. Walker
Jacob T. Wilson
ELECTRICAL ENGINEERING
Jonathan Kimball, Chair
Krista A. Avants
Joseph D. Billing
Matthew G. Booth
Aaron J. Burke
Nicholas Francis Clark
Alex T. Davis
Cade Dillard
Ross P. Dodd
Samuel Joseph Droney
Thomas Wayne Francois
Kyle John Greenwald
Isaac H. Hargrave
Isaac T. Hatfield
Derek T. Holloway
Blaine A. Hunt
Mira Mikaela T. Ifurung
Joel Burken, Chair
ENGINEERING
ENVIRONMENTAL
Jesse Rylon Youn
Andy Yang
Samuel D. Whittington
Macey Walukonis
Nicholas Walker
Anthony Joseph Thomas
John Paul Talley
Matthew Joseph Nosbush
Robert D. Merritt
Kyle Hayden
Caleb D. Buffington
Chair
Michael Moats, Interim
ENGINEERING
METALLURGICAL
Conor Patrick Zinnecker
Logan K. Wynes
Preston R. Willard
Matthew J. West
Joseph Robert Weber
Elijah C. Ventura
Austin Ray Vardeman
Seth Anthony Thompson
Derek McKendree
VanDemark
Austin Ray Vardeman
Eliah C. Ventura
Kristen Michelle
Warhover
Joseph Robert Weber
Matthew J. West
Preston R. Willard
Logan K. Wynes
Conor Patrick Zinnecker
METALLURGICAL ENGINEERING
Michael Moats, Interim Chair
Caleb D. Buffington
Kyle Hayden
Jeremy R. Heisserer
Robert D. Merritt
Matthew Joseph Nosbush
Dylan Juniper Ozersky
Nuclear Engineering
Joseph Newkirk, Chair
Galen Alexander Selligman
PETROLEUM ENGINEERING
Jeffrey Cawfield, Interim Chair
Alexander M. Burns
Daniel A. Berry
Robert D. Merritt
David T. Wall
Luke Andrew Noble
Emily Constance Pitz
Kathryn E. Powers
Jessi E. Schoolcraft
Joseph J. Ivanchuk
Alayna N. Kaimann
Kostas Achilleas
Kakadharis
Tyson Konecnic
Samuel Eugene Krumpe
Ryan Michael Langford
Elvis Leka
Daniel Anthony Leopold
Syr Charles Francis Lyons
Robert Andrey Marquart
Isaac Martinez
Joseph C. Mastis
Jonathan P. Mataya
Gabriel Alexander Miller
Logan Henry Mitchell
Joseph R. Mueller
Arnold Khang Nguyen
George Riley Noll
Andrew Timothy Pappas
Kendrick Royce Payne
Andrew M. Rawlings
Nicholas Daniel Slama
Joshua Michael Sterling
Colin J. Stolze
Chase Austin
Swendrowski
Seth Anthony Thompson
Derek McKendree
VanDemark
Austin Ray Vardeman
Eliah C. Ventura
Kristen Michelle
Warhover
Joseph Robert Weber
Matthew J. West
Preston R. Willard
Logan K. Wynes
Conor Patrick Zinnecker
ENVIRONMENTAL ENGINEERING
Joel Burken, Chair
Abdullah T A Sh Ahmad
Jacquelyn E. Akremi
Natalie Woloshyn
Lindsey Nicole Carvalho
Daryl Kamau Gichui
Madyson L. Henke
Hailey R. Hicks
Matthew Joseph Nosbush
Bachelor of Science
BACHELOR OF ARTS
KUMMER COLLEGE
Susan Murray, Interim Vice Provost and Dean
ECONOMICS
Michael Davis, Interim Chair
Hailey R. Hicks
Gwendolyn Rose
Schweiss
INFORMATION SCIENCE AND TECHNOLOGY
Cassie Elrod, Acting Chair
Hemant Kumar Bondada
Brendan Coyne
Michael J. Giblin
Nicholas J Kroll
Alaina A. Martens
Hunter Scott Miller
Soham Falgunbhai Parikh
John J. Perry
Caleb John Aurig Rehklau
Ryan Dean Roper
Abby Lynn Ross
Katarina Seres
Aaron LeDale Tucker Jr.
Kade Thomas Wessels
Maxwell J. Wong
BUSINESS AND MANAGEMENT SYSTEMS
Cassie Elrod, Acting Chair Bethany Nguyen Babcock
Dustin P. Gerding
John Francis Gutting
Bishal KC
Elizabeth Pauline Larson
Logan K. Markland
Bradley Eugene Moore Jr.
Carter James Pitts
Devin D. Seest
Dontay White
Zhengshu Xie
ENGINEERING MANAGEMENT
David Enke, Interim Chair
Jeremy R. Aiken
Brian P. Annan
Brenden Michael Bebie
Daniel Z. Carroll Jr.
Jacob Chandler Davis
Duyen K. Do
Payton David Duncan
Mirzad Kabili
Alexander E. Lohr
Alison M. Long
Justin Michael Perez
Avery Nicole Reed
Austin Robertson
Troy A. Siebert
Grayesen Layne Smith
Samantha Marie Stahl
Eric Michael Summers
Nicholas Steven Thelen
Kail Michael Todman
Chandler James
Ray Wallander
Joseph Michael Wendell
Abigail Elizabeth Whalen
MaryEmma L. York
BACHELOR OF ARTS
**Undergraduate Honors**

**Bachelor’s degree candidates who earned Summa Cum Laude, Magna Cum Laude or Cum Laude status by virtue of their academic records as of Nov 4, 2022, are wearing gold tassels. Final determination of honors will be based on academic records after all work in progress is completed.**

**4.0 GRADE POINT AVERAGE**

The following bachelor’s degree candidates have earned the highest grade-point average possible.

Alexander James Bishop  
Parkar Devin Boyce  
Jennifer Michelle Collins  
Nicholas Brennan Fuller  
Emily R. Pearson  
June Renee Perry  
Isaiah Neal Robertson  
Brendan Michael Schmidt  
Jack K. Stork  
Jacob R. Wilcox

**SUMMA CUM LAUDE**

John Paul Appelbaum  
Daniel Becker  
Evan Lind Birsinger  
Nathaniel Erwin Blanton  
Benton Thomas Brightwell  
Angela Lynn Bucher  
Aaron J. Burke  
Bryce Thomas Cambers  
Logan Choi  
Ingrid C. Cordesiemon  
Michael William Countryman  
Alex Kathleen Daniels  
Ross P. Dodd  
Nathaniel Alexander Erickson  
Henri O. Evjen  
Makayla Ann Fox  
Joseph Mark Gloriod  
Brian C. Gram  
Daniel James Grundl  
Isaac H. Hargrave  
Krista M. Hiltos  
Thuraia Ibrahim  
Keilin Rose Johnson  
Julia A. Johnston  
Connor James Keefe  
Jason M. Kostelnick  
Charles Benjamin Kropp  
Sophia Marisa Malpocker  
Robert Andrey Marquart  
Alaina A. Martens  
Jonathan P. Mataya  
Sara Mei McDaniel  
Logan Henry Mitchell  
Nhan H. Nguyen  
Kaitla Ray Olson  
Madelyn Grace Oswald  
Emilie Marie Overschmidt  
Sean N. Poth  
Stephen Clark Rippe  
Jack P. Scalonon  
Jessi E. Schoolcraft  
Joseph Malachy Schultz  
Gwendolyn Rose Schweiss  
Jacob T. Shields  
Otto John Spahnhorst III  
Wyatt H. Spilker  
Bharat B. Sreekrishnavilas  
Drew D. Tonnis  
Macey Walukonis  
Joseph Robert Weber  
Helen A. Werner  
Abigail Elizabeth Whalen  
Samuel D. Whittington  
Wayne M. Williams  
Abigail Marie Wilson  
MaryEmma L. York  
Bhargav Gadiparthi  
Trevor John Gallbreath  
Dustin P. Gerding  
Kyle John Greenwald  
Alex Tyler Hermann  
Seth Ryan Hill  
Blaine A. Hunt  
Mirzad Kablić  
Alayna N. Kaiman  
Patrick Augustus  
Kenny-Smith  
James Richard Kirtley  
Emma N. Krajcir  
Ryan Michael Langford  
Elizabeth Pauline Larson  
Nicholas Alan Latine  
Daniel Anthony Leopold  
Andrew Timothy Littich  
Lydia Rose Loethen  
Alexander E. Lohr  
Jason Tyler Love  
Saul Michael Lynn  
Syr Charles Francis Lyons  
Eli John Maggard  
Ian A. Malone  
Isaac Martinez  
Tadym Leane Mason  
Joseph C. Mastis  
Nathaniel McLean Meuser  
Gwendolyn Leigh Miller  
Bradley Eugene Moore Jr.  
Cameron Joseph Niemeyer  
Aidan L. Norris  
Andrew Timothy Pappas  
Taylor Lynne Paschke  
Ashley M. Pittman  
Audrey Elise Powell  
William H. Preckel  
Caleb John Aurig Rehklau  
Abdullah Yehya Rifai  
Haley D. Roberson  
Abby Lynn Ross  
Himnish Sapkota  
Troy Reese Savaiano  
Paul Michael Schambach  
William Edward Schuenke  
Trinity An Sconce  
Katarina Seres  
Justin Andrew Sherman  
Alexander Angelo Siamplos  
Jacob Michael Sibert  
Samuel Sisk  
McKennan Edward Starkey  
Daniel Slater Steinmeyer  
Joshua Michael Sterling  
Sean Patrick Sullivan  
Chase Austin Swendrowski  
Kyleigh R. Swindle  
Nicholas Steven Thelen  
Hamilton Ryan  
Katigbak Trinidad  
Calie E. Urbas  
Derek McDendree  
VanDemark  
Eliah C. Ventura  
Jacob William Voss  
Colton M. Walker  
Kameryn N. West  
Andy Yang  
Cameron D. Zalmanoff

**Magna Cum Laude**

Logan Andrew  
Akbemeeier  
Hyrum Dale Adams  
Jacqueyn E. Akremi  
Anna M. Allen  
Michelle Al Amato  
Melorin Natalie  
Azimzadeh  
Dominick Rocco  
Bonacorsor  
Mikkol Boutros  
Gracie L. Boyer  
Nicholas T. Buerc  
Anna L. Burke  
Shane Alex Cairns  
Lindsey Nicole Carvalho  
Grace R. Christian  
Nelson Colon-Acevedo  
Brendan Coyne  
Alexander Evan Davies  
Alec T. Davis  
Cade Dillard  
Stuart Tavis Dixon  
Duyen K. Do  
Samuel Joseph Dronkey  
Alexander J. Duffy  
Alex Scott Durbin  
Walker Hayse Easley  
Alexander William Easter  
Megan E. Eiterman  
Blake Christian Elder  
Dalton Joseph Engler  
Emilie Marie Esswein  
Daniel Fox  
Jacob R. Fulsom

**Cum Laude**

Aashi Agrawal  
Tyler James Allison  
Krista A. Avants  
Bethany Nguyen Babcock  
Kaiden Miles Barozinsky  
Grace Christine Basler  
Andrew Thomas Bass

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**University Mace**

Like many academic symbols, the University Mace is rooted in academic tradition. The origin and production of the mace, however, is a story unique to Missouri S&T and a testament to our heritage and ingenuity.

The mace was created in 2015 by Jeff Heniff in the Rock Mechanics and Explosives Research Center using the university’s specialized waterjet technology. Heniff created a second mace in 2018.

Historically, the mace is a symbol of authority dating from medieval times, when knights carried them during processions with their royalty. As the tradition grew, the mace became a ceremonial symbol of peaceful leadership, and maces were embellished with jewels and metals. Today, a university’s mace is carried before the president or chancellor and platform party dignitaries during commencement and other ceremonial academic processions. A faculty representative from each college is selected to carry the mace.

The mace includes the university’s historic emblem in its crown. Its shaft is crafted from a red oak that was removed from campus to clear land for the 2008 expansion of Toomey Hall.
Academic Honors

Academic honors are awarded at commencement to undergraduate students who have achieved a University of Missouri System cumulative grade-point average of at least 3.20. Cum Laude is awarded for an average from 3.20 to 3.50, Magna Cum Laude is from 3.50 to 3.80 and Summa Cum Laude is from 3.80 or better. The appropriate Latin script is embossed on the diploma in recognition of this achievement. Academic precedent directs that only honors at graduation are to be noted on a diploma.

Missouri S&T has an honors program for undergraduate students that allows a deeper look at subjects. The divisional honors program requires a cumulative grade-point average of 3.50 on a minimum of 60 hours of credit and acceptance into a divisional honors program by the department in which a student is majoring. A student who has a minimum of three semesters of participation in a divisional honors program and who has completed an honors paper on an independent project will receive an honors designation on his or her diploma.

Honor Cords

The following departmental honor societies are wearing honors cords in the colors listed:

- **Alpha Nu Sigma**
  - Nuclear Engineering
  - Red and Gold
- **Alpha Psi Omega**
  - Arts, Languages, and Philosophy
  - Light Blue and Gold
- **Alpha Sigma Mu**
  - Metallurgical Engineering
  - Silver and Gold
- **Associated Students of the University of Missouri**
  - Red and White
- **Blue Key Honor Society**
  - Royal Blue
- **Chancellor’s Leadership Academy**
  - Yellow and White
- **Chi Epsilon**
  - Civil Engineering
  - Purple and White
- **Epsilon Mu Eta**
  - Engineering Management
  - Navy and Silver
- **Epsilon Mu Eta**
  - Engineering Management
  - Navy and Silver
- **Epsilon Mu Eta**
  - Electrical Engineering
  - Red and Navy
- **Intercollegiate Knights**
  - Blue and Silver
- **Kappa Mu Epsilon**
  - Mathematics
  - Pink and Silver
- **Keramos**
  - Ceramic Engineering
  - Blue and Gold
- **National Residence Hall Honorary**
  - Yale Blue and White
- **Omega Chi Epsilon**
  - Chemical Engineering
  - Maroon and White
- **Phi Alpha Theta**
  - History
  - Light Blue and Red
- **Phi Kappa Phi**
  - Navy and Gold
- **Phi Sigma Pi**
  - Purple and Gold
- **Pi Epsilon Tau**
  - Petroleum Engineering
  - Black and Gold
- **Pi Tau Sigma**
  - Mechanical Engineering
  - Scarlet and Light Blue
- **Psi Chi**
  - Psychology
  - Navy
- **Sigma Gamma Epsilon**
  - Earth Sciences
  - Yale Blue and Silver
- **Sigma Gamma Tau**
  - Aeronautics
  - Red and Cream
- **Sigma Pi Sigma**
  - Physics
  - White and Green
- **Sigma Tau Delta**
  - English
  - Black and Red
- **Tau Beta Pi**
  - Seal Brown and White
- **Upsilon Pi Epsilon**
  - Computer Science
  - Silver
- **Yearbook**
  - Purple and White
Candidates for the Master’s Degree

This program was prepared on July 29, 2022. The names of those students who were possible candidates for graduation on that date are listed. Changes made following this date are not reflected in the program.

**COLLEGE OF ARTS, SCIENCES, AND EDUCATION**
Mehrzad Boroujerdi, Vice Provost and Dean

**COLLEGE OF ENGINEERING AND COMPUTING**
David Borrok, Interim Vice Provost and Dean

**MASTER OF SCIENCE**

**BIOLOGICAL SCIENCE**
David Duvernell, Chair
Veronica Marian Lee

**PHYSICS**
Thomas Vojta, Chair
Zenon Klok

**MASTER OF SCIENCE**

**AEROSPACE ENGINEERING**
David Bayless, Chair
Joel Francisco Argueta
Terence William McGarvey IV

**CHEMICAL ENGINEERING**
Hu Yang, Chair
Joseph Timothy Johnston

**CIVIL ENGINEERING**
Joel Burken, Chair
McKenna A. Harnacke
Kevin Joseph Reis

**COMPUTER ENGINEERING**
Jonathan Kimball, Chair
Nicolas C. Dobbins

**COMPUTER SCIENCE**
Stephen Gao, Interim Chair
Pranith Kiran Akkanapelli
Sumalika Kallu
Sainath Sanga

**ELECTRICAL ENGINEERING**
Jonathan Kimball, Chair
James Daniel Hunter

**EXPLOSIVES ENGINEERING**
Kwame Awuah-Offei, Interim Director
Joshua Robert Baumer
Mark Gabriel Herman
Ryan Stanford Sibley

**GEOLOGICAL ENGINEERING**
Jeffrey Cawlfield, Interim Chair
Md Fahim Hasan
Nathaniel Fred Patterson Jr.
Emily Kristine Therese Ty Sevilla

**GEOLOGY AND GEOPHYSICS**
Jeffrey Cawlfield, Interim Chair
Pa Omar Konteh
Gabriela Yvonne Ramirez

**MECHANICAL ENGINEERING**
David Bayless, Chair
Pratheek Bagivalu
Prasanna Miranda Ashley Huggans
Vamsi Lodagala
Anthony Moser

**MECHANICAL ENGINEERING**
Michael Moats, Interim Chair

**METALLURGICAL ENGINEERING**
Kwame Awuah-Offei, Interim Director
Ayorinde Akinrinlola

**MINING ENGINEERING**
Kwame Awuah-Offei, Interim Director

**NUCLEAR ENGINEERING**
Joseph Newkirk, Chair
Eli Boland
William Scherer
McCauley

**SYSTEMS ENGINEERING**
Christopher L. Boucher
Taylor Jacobs
Matthew S. Kuhni
Krupa Bimal Shah
Albert Alexander Zapata

**KUMMER COLLEGE**
Susan Murray, Interim Vice Provost and Dean

**MASTER OF SCIENCE**

**ENGINEERING MANAGEMENT**
David Enke, Interim Chair

**ENGINEERING MANAGEMENT**
David Enke, Interim Chair

**SYSTEMS ENGINEERING**
Zachary Steven Warmbold
Candidates for the Bachelor’s Degree

This program was prepared on July 29, 2022. The names of those students who were possible candidates for graduation on that date are listed. Changes made following this date are not reflected in the program.

Undergraduate Honors

Bachelor’s degree candidates who earned Summa Cum Laude, Magna Cum Laude or Cum Laude status by virtue of their academic records as of July 29, 2022, are wearing gold tassels. Final determination of honors will be based on academic records after all work in progress is completed.

4.0 Grade Point Average

The following bachelor’s degree candidates have earned the highest grade-point average possible.

- Curtis Joseph Brinker
- Grant R. Shaver

Magna Cum Laude

- Gregory Mitchell Brown
- Maximiliano Dowling
- Austin M. Eisterhold
- Jacob Iticovici
- Daniel K. Kohenskey
- Melanie Elizabeth Kulig
- James David Michels III

Cum Laude

- Bader Nasser Almubailish
- Husain Alsumait
- Mohammad S M S Altaweel
- Ariel N. Clark
- Alexis L. Clemens
- Emilio Armando Espinoza
- Brandon Clovis Robinson
- Ethan Scott Schrunk
- Lizbeth Valentin
- Rodriguez
- Mariah Lynn Vasquez

Bachelor’s degree candidates who earned Summa Cum Laude, Magna Cum Laude or Cum Laude status by virtue of their academic records as of July 29, 2022, are wearing gold tassels. Final determination of honors will be based on academic records after all work in progress is completed.

- Curtis Joseph Brinker
- Grant R. Shaver

Magna Cum Laude

- Gregory Mitchell Brown
- Maximiliano Dowling
- Austin M. Eisterhold
- Jacob Iticovici
- Daniel K. Kohenskey
- Melanie Elizabeth Kulig
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Cum Laude

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- Husain Alsumait
- Mohammad S M S Altaweel
- Ariel N. Clark
- Alexis L. Clemens
- Emilio Armando Espinoza
- Brandon Clovis Robinson
- Ethan Scott Schrunk
- Lizbeth Valentin
- Rodriguez
- Mariah Lynn Vasquez
Doctoral Candidates

Candidates presented by Colin Potts, Provost and Executive Vice Chancellor for Academic Affairs, Missouri S&T.

Ali Abdulmohsen Al Brahim
PETROLEUM ENGINEERING

Saud Hamad Aldawood
NUCLEAR ENGINEERING
Experimental Investigation of Core Fluid and Heat Transfer of PWR by Using Advancedmeasurements Techniques
Muthanna Al-Dahhan

Abdullah Hadi Alhaj
Geological Engineering
RESISTIVITY IMAGING OF PROMINENT SEEPAGE PATHWAYS IN KARST
J. David Rogers and Neil Anderson

Gasser Galal Ali
CIVIL ENGINEERING
Promoting Distributed Energy Deployment and Diffusion for Sustainable Civil Infrastructure Using Multi-Agent Based Modeling and Quantitative Analytics
Islam-edaway

Dinesh Reddy Alla
ELECTRICAL ENGINEERING

Rania Almusafir
CHEMICAL ENGINEERING

Puspa Aryal
CHEMISTRY
Design and Synthesis of Purine Based Neuroprotectors and Novel Synthetic Methods for the Trifluoromethylation of Aldehyde Hydrazones
V.P. Reddy

Pratheek Bagivalu Prasanna
MECHANICAL ENGINEERING
Mobility Analysis and Topology Synthesis of Compliant Mechanism Using Compliance Number and Pseudo-Rigid-Body Model (PRBM)
Ashok Midha

Ajay Babu Banala
MECHANICAL ENGINEERING

Joseph M. Bauer
METALLURGICAL ENGINEERING
The Effect of Mass Transport on Deposit Quality in Copper Electrowinning
Michael Meots

Shudip Datta
COMPUTER SCIENCE
Secure and Efficient Information Management in Delay (Disruption) Tolerant Network
Sanjay Madria

Wesley Alexander Everhart
MATERIALS SCIENCE AND ENGINEERING
Novel Ferromagnetic Materials with Improved Mechanical Performance
Joseph Newkirk

Monica Lynn Gehrig
NUCLEAR ENGINEERING
Using Computational Methods to Optimize High Heat Flux Component Thermal Performance in Magnetic Confinement Fusion Reactor Research
Joshua P. Schlegel

Jing Guo
ELECTRICAL ENGINEERING
Novel Sensor Platforms Based on Fabry-Perot Resonators For Applications in Environmental Geophysics
Jie Huang

Taihao Han
Materials Science and Engineering Development and Application of Ensemble Machine Learning Algorithms to Enable a Priori, High-Fidelity, and Prompt Predictions and Optimizations of Complex Materials and Systems
Aditya Kumar and Jie Huang

Sungjie Hong
NUCLEAR ENGINEERING
CFD Analyses for Beyond Bubbly Gas-Liquid Two-Phase Flows in a Large Diameter Pipe
Joshua P. Schlegel

Yan Jia
GEOLOGY AND GEOPHYSICS
Laterally Heterogeneous Seismic Anisotropy Investigated by Shear Wave Splitting Analysis
Kelly H. Liu and Stephen S. Gao

Yanxiao Li
CIVIL ENGINEERING
Multifunctional Behaviors of Two-Dimensional Materials and Their Composites
Chenglin Wu

Jian Liu
ELECTRICAL ENGINEERING
Optimization of Energy Storage Scheduling in Electricity Markets
Rui Bo

Yuanzhuo Liu
ELECTRICAL ENGINEERING
Far-End Crosstalk Modeling and Prediction for High-Speed PCB Design with Inhomogeneous Dielectric Layers (IDLS)
DongHyon Kim and Jun Fan

Vamsi Lodagala
MECHANICAL ENGINEERING
A Primal Treatise of Constant-Force Compliant Segment and Mechanism Design With Applications
Ashok Midha

Fredrick Eugene Love II
COMPUTER SCIENCE

Yiran Lu
GEOLOGY AND GEOPHYSICS
Depositional Conditions, Stratigraphic Evolution, and Allo- And Autogenic Controls of Lower Permian Non-Marine Carbonate Rocks, Lucaogou Low-Order Cycle, Bogda Mountains, NW China
Wan Yang

Sayantan Majumdar
GEOLOGICAL ENGINEERING
Ryan Smith

Paul V. Manley II
CIVIL ENGINEERING

Hossein Mehdiroupicha
ELECTRICAL ENGINEERING
Multi-Stage Multi-Market Optimal Bidding Strategy in Electricity Markets
Rui Bo

Elieh Mohtashami
CIVIL ENGINEERING

Sukanta Kumar Mondal
CHEMICAL ENGINEERING
Sustainable Cementitious Materials for Building and Sorption Applications
Monday U. Okoronkwo
Husam Houssein Nassr
ELECTRICAL ENGINEERING
Optimal Tranceiver Design for Wireless Communications
Kurt Kosbar

Muqi Ouyang
ELECTRICAL ENGINEERING
Accuracy Improvement of Cable Harness Modeling and Analytical Modeling of Multi-Reflections in High-Speed Signal Channels
Chulsoon Hwang and Jun Fan

Ghana Shyam Paudel
CHEMICAL ENGINEERING
Novel Supercritical Biodiesel Plant Design And Process Scale-Up
Joseph D. Smith

Alireza Pourhassan
CIVIL ENGINEERING
Comprehensive Investigation of Using Tire-Derived Aggregate in Chip Seal Subjected to Various Traffic and Environmental Conditions
Mohamed ElGawady

Waqas ur Rehman
ELECTRICAL ENGINEERING

Tyler Michael Richards
MATERIALS SCIENCE AND ENGINEERING
Molten Steel Interactions with Tundish Linings and Refractory Glazes
Jeffrey Smith

Marissa Kay Spencer
GEOLOGY AND GEOPHYSICS
Applied Geochemistry, Geochronology and Biostratigraphy: Case Studies From 38th Parallel Structures in Missouri and Orange Basin, Offshore Western South Africa
Francisca E. Oboh-Ikuenobe

Rachel Inez Stiffier
MECHANICAL ENGINEERING
Mechanical Engineering Influences of the Internal Residual on Combustion Instabilities in the Misfire and Partial Burn Regimes of a Dilute Spark-Ignition Engine
James A. Drallmeier

Simon Bech Thougaard
COMPUTER SCIENCE
Persistent Stealthy Attacks and Their Detection in Large Distributed Cyber-Physical Systems
Bruce McMillin

Jose Sebastian Uribe Lopez
CHEMICAL ENGINEERING
Computational Fluid Dynamics Techniques for Multiphase Flow Systems
Muthanna H. Al-Dahhan

Xu Wang
ELECTRICAL ENGINEERING
Geometry-Aware Methodology for Coupling Mechanism Analysis And Radiation Mechanism Analysis
DongHyun Kim and Jun Fan

Conor Maris Watkins
GEOLOGICAL ENGINEERING
Identification, Mapping, Analysis, and Dating of Composite Megalandslides in the Colorado Plateau
J. David Rogers

Congjie Wei
CIVIL ENGINEERING
Multi-Scale Computational Mechanics and Ai Augmented Material Characterization
Chenglin Wu

Xiaolong Xia
CIVIL ENGINEERING
A Structure from Motion Photogrammetric Method for Continuously Measuring and Tracking the Deformations of Soils During Triaxial Testing
Xiong Zhang

Tu Xue
GEOLOGY AND GEOPHYSICS
Mantle Flow and Transition Zone Discontinuities Beneath the Caribbean Plate: Constraints From Shear Wave Splitting and Receiver Function Analyses
Stephen S. Gao and Kelly H. Liu

Xuecheng Ye
PHYSICS
Disorder Effects in Frustrated Magnets and Absorbing State Transitions
Thomas Vojta

Bohong Zhang
ELECTRICAL ENGINEERING
In Situ High Temperature Fiber-Optic Raman Sensor for Industrial Applications
Jie Huang

Wei Zhang
ELECTRICAL ENGINEERING
Pi and EMI Analysis of 3D IC System With TSV and Co-Packaged Optics
DongHyun Kim

Yanwei Zhang
GEOLOGY AND GEOPHYSICS
Application of Machine Learning in Geophysics: Ranking Teleseismic Shear Wave Splitting Measurements and Classifying Different Types of Earthquakes
Stephen S. Gao

Shuda Zhao
PETROLEUM ENGINEERING
Evaluation of Novel Preformed Particle Gels for Conformance Control and Acid Stimulation Through Core Flooding Tests
Baojun Bai

Yanping Zhu
CIVIL ENGINEERING
Strain And Temperature Measurement from Distributed Fiber Optic Sensors in Performance-Based Fire Engineering
Genda Chen
Doctoral Candidates – Summer 2022 Inter-Commencement

Candidates presented by Colin Potts, Provost and Executive Vice Chancellor for Academic Affairs, Missouri S&T.

Kamran Aghae
CIVIL ENGINEERING
Synergistic Effect of Shrinkage Mitigating Strategies on Performance of Fiber-Reinforced Cementitious Composites
Kamal Khayat

Mohamed Saad Abdaya
PETROLEUM ENGINEERING
Evaluation of Recrosslinkable Prefomed Particle Gel (RPPG) as a Fluid Loss Control Material During Drilling Operations
Baojun Bai

SuJan Bastola
PHYSICS
Using Coherence and Interference to Study the Few Body Dynamics in Simple Atomic Collisions Systems
Michael Schulz

Adam Thomas Bratten
MATERIALS SCIENCE AND ENGINEERING
Oxidation of Silicon Carbide and Graphite for High Temperature Gas-Cooled Reactor Applications
Halming Won

Yitao Chen
MECHANICAL ENGINEERING
Processing and Characterization of Tini-Based Alloys Fabricated by Laser Aided Manufacturing
Frank Liou

Priscilla Mansah Codjoe
MATHEMATICS
Survivor Bond Models for Securitizing Longevity Risk
Akim Adekpedjou

Esslam Magdy Mohamed
Mohamed Deef-Allah
CIVIL ENGINEERING
Investigating the Interaction Between the Recycled Components and the Asphalt Binders, Plant, Lab, and Field Mixes
Magdy Abdelrahman

Edward Fernando Duarte Martinez
GEOLoGY AND GEOPhYSICS
Hydroclimate Variability in Central America During the Holocene
Inferred from Lacustrine Sediments in Lake Izabal, Eastern Guatemala
Johnathan Martin

Omar Jalaal Yahya Farid
CHEMICAL ENGINEERING

Sara Fayek
CIVIL ENGINEERING
Experimental Determination of the Yield Curve for Unsaturated Soils
Xiong Zhang and Jeffrey Cawfield

Viraj Kishorkumar Gajjar
ELECTRICAL ENGINEERING
Machine Learning Applications in Plant Identification, Wireless Channel Estimation, and Gain Estimation for Multi-User Software Defined Radio Advisor?

Yuandong Guo
ELECTRICAL ENGINEERING
Signal Integrity Analysis and Electromagnetic Interference Modeling for Autonomous Vehicles
S.N. Balakrishan and Douglas Bristow

Baitang Jin
CHEMICAL ENGINEERING
Engineering Ni/Al2O3 Catalysts by Atomic Layer Deposition for Methane Reforming
Xinhua Lian

Md. Yasin Kabir
COMPUTER SCIENCE
Social Media Analytics with Applications in Disaster Management and Covid-19 Events
Sanja Madria

Bhanu Partap Singh Kanwar
ENGINEERING MANAGEMENT
Development of Flood Prediction Models using Machine Learning Techniques
Steven Corns

Austin Johnathan Martin
MATERIALS SCIENCE AND ENGINEERING
Processing to Enable Direct-Write Additive Manufacturing of Ceramics and Ceramic Composites
Gregory E. Hilmas

Devi Purushothaman Lakshmidevinivas
AEROSPACE ENGINEERING
Barrier Function-Based SDRE Method for Nonlinear Systems with Constraints and its Applications
S.N. Balakrishan and Douglas Bristow

Ramin Rahimi
ELECTRICAL ENGINEERING
Advanced Topologies of High Step-Up Dc-Dc Converters for Renewable Energy Applications
Mehdi Ferdowsi

Ayan Roy
COMPUTER SCIENCE
Secured Information Dissemination and Misbehavior Detection in Vanets
Sanjay Madria

Fathima Zahra Sainul Abdeen
MATHEMATICS
Semiparametric Inference with Clustered Right Censored Data via Gaussian Random Fields
Akim Adekpedjou

Apuv Saxena
CHEMISTRY
Electrocatalytic Processes for Energy Storage and Conversion

Hanli Wu
CIVIL ENGINEERING
Use of Cellular Concrete for Air Convection Embankment to Protect Permafrost Foundation in Cold Regions
Juanyu (Jenny) Liu and Xiong Zhang

Han Yu
CHEMICAL ENGINEERING
Surface Modification to Improve the Electrochemical Performance of Cathode Materials for Lithium-Ion Batteries and Sodium-Ion Batteries
Xinhua Lian

Fan Zhang
CIVIL ENGINEERING
Corrosion Resistance Performance Investigation of Mild Steel Bar Coated with Magnesium Phosphate Cement Paste
John J. Myers

Jianxun Zhao
AEROSPACE ENGINEERING
Fully Kinetic Particle-In-Cell Simulations of Plasma-Surface-Dust Interactions for Lunar Exploration
Daoru Han

Yi Zhao
CIVIL ENGINEERING
Wind Flow Characteristics of Multi-Vortex Tornadoes and Their Wind Effects on Residential Houses
Guiron Yan

Ashish Zore
CHEMISTRY
Synthesis and Process Optimization of Colloidal Polymer, Cup, Particle Formation and its Interfacial Surface Tension Behavior
Michael Van De Mark