Candidates for Doctor of Philosophy Degrees

This program was prepared on Nov. 5, 2021. 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.

Bishnu Prasad Acharya
PHYSICS
Complete Experiments on Multi-Photon Ionization of Ultra-Cold and Polarized Atoms
Daniel Fischer

Md. Al-Amin
SYSTEMS ENGINEERING
Sensor Data Based Adaptive Models for Assembly Worker Training in Cyber Manufacturing
Cihan Dagli and Ruwen Qin

Mariam Salem Al-E’bayat
GEOLOGICAL ENGINEERING
Taghi Sherizadeh

Qasim Mohammed Abbas Al-Naddaf
CHEMICAL ENGINEERING
Advanced Materials and Processes for Gas Separation and Storage Applications
Rezaei Fateme

Qusay Jaafar Rasheed Al-Obaidi
CHEMICAL ENGINEERING
Extracting Metallurgy Contaminants and Hydrocarbons Removing from Water and Industrial Wastewater Using Enhanced Emulsion Liquid Membrane with Nanoparticles and Ionic Liquid
Muthanna Al Dahhan

Hayder Alaa Maabad Alhameedi
CHEMICAL ENGINEERING
Sima Azizi
ELECTRICAL ENGINEERING
Multimodal Neuroscience Data Modeling and Inference
Donald C. Wunsch II

Dripta Bhattacharjee
PHYSICS
Reduced Calibration Uncertainties for the Global Network of Gravitational-Wave Observatories and the Impact on Sky Localization of Burst-Like Sources
Marco Cavaglia

Jacob Lane Brinkman
EXPLOSIVES ENGINEERING

Philip C. Chrostoski
PHYSICS
Semi-Empirical Modeling of Liquid Carbon’s Containerless Solidification
Philip Fraundorf and Julia E. Medvedeva

Jill Christine Davis
AEROSPACE ENGINEERING
Cooperative Navigation of Small Satellites in the Deep Space Environment
Henry Pernicka

Anna Noël Dorner
CERAMIC ENGINEERING
Properties and Characterization of Tantalum-Containing Zirconium Diboride Solid Solution Ceramics
William Fahrenholtz

Alexander David Douglas
MINING ENGINEERING
Mining Haul Road Defect Detection – Advancement in Automated Road Extent and Response Calibration for Improved Maintenance
Grzegorz Galecki

Amr Elsayegh
CIVIL ENGINEERING
Islam El-Adaway

Xiao Fan
CHEMICAL ENGINEERING
Catalytic Carbon Dioxide Hydrogenation to Methanol/Dimethyl Ether Over Copper-Based Catalysts
Xinhua Liang

Omar Jalaa Yahya Farid
CHEMICAL ENGINEERING

Michelle Lee Gelig Wainwright
MECHANICAL ENGINEERING
Layer-To-Layer Feedback Control for Direct Energy Deposition Additive Manufacturing
Douglas Bristow and Robert Landers

Samie Ramadan A. Hamad
GEOLOGICAL ENGINEERING
Use of Portable Seismic Property Analyzer and Ground Penetrating Radar to Assess Bridge Decks
Neil L. Anderson

Md. Rifat Hassan
MECHANICAL ENGINEERING
Dynamic Behavior and Interactions of Ferrofluid Droplets Under Magnetic Fields in Low Reynolds Number Flows
Cheng Wang

Natasha Amelia Jarus
COMPUTER ENGINEERING
Instrumentation, Modeling, and Sound Metamodeling Foundations for Complex Hybrid Systems
Sastra Sedigh Sarvestani and Ali R. Hurson
Julian Kosacki
MATERIALS SCIENCE AND ENGINEERING
Studying the Effects of New Additive Materials for the Improvement of the Capacity and Cycle Life Performance of the Lead-Acid Battery
Fatih Dogan

Martin John Langenderfer
EXPLOSIVES ENGINEERING
Relating Detonation Parameters to the Detonation Synthesis of Nanomaterials
Catherine E. Johnson

Kelsi Tate Leverett
GEOLOGICAL ENGINEERING
Estimation of Soil Hydrologic Parameters and Evaluation of Subsurface Tile Drainage Using Geophysical Techniques
Katherine R. Grote

Wenyu Liao
CIVIL ENGINEERING
Experimental and Numerical Studies of Novel Thermal Energy Storage Materials for Applications in Concrete and Energy Storage Systems
Hongyan Ma

Venkata Praveen Kumar Madhavarapu
COMPUTER SCIENCE
Security Against Data Falsification Attacks in Smart City Applications
Sajal K. Das

Kerry Allen Magner
CIVIL ENGINEERING
Hyromechanical Stress and Internal Erosion Under Earthen Structures
Ronaldo Luna

Jacob Lee Miller
EXPLOSIVES ENGINEERING
Investigation of Anomalous Data Trends During Coal Dust Explosibility Testing
Catherine Johnson

Alec Christopher Murchie
CERAMIC ENGINEERING
Mechanical Properties of Boride Based Ceramics
Gregory Hilmas

Stephen Walter Ordway
PHYSICS
Critical Behavior in Evolutionary and Population Dynamics
Sonya Bahar

Srinath Penugonda
ELECTRICAL ENGINEERING

Prithwiraj Roy
COMPUTER SCIENCE
Robustness Against Attacks and Uncertainties in Smart Cyber-Physical Systems
Sajal K. Das

Buddhabhushan Pundlik Salunkhe
CHEMISTRY
Development of High-Performance Hydrogels
Thomas Schuman and Baojun Bai

Matthew Bendel Senter
CHEMICAL ENGINEERING

Rushi Umeshkumar Soni
CHEMISTRY
Novel Synthetic Methods and Applications of Porous Materials: Aerogel Foams, Metallic Aerogels, Amorphous and Graphite Carbon Aerogels
Chariklia Sotiriou-Leventis

Maurice Nuonituu Sunkpal
MINING ENGINEERING
Assessment of Rib Failure Mechanisms Using Discontinuum Mechanics Based Numerical Modeling Approach
Taghi Sherizadeh

Carlton Ashley Washburn
ENGINEERING MANAGEMENT
Establishing Links Between Safety Culture, Climate, Behaviors, and Outcomes of Long-Haul Truck Drivers
Susan Murray and Clair Kueny

Kelly Ray Williams
EXPLOSIVES ENGINEERING
Investigating the Focusing Effect of Charge Geometry with Computer Simulations, Witness Plates, and High-Speed Videography
Catherine Johnson

Zachary Aaron Young
MECHANICAL ENGINEERING
Sources of Quality Uncertainty in Laser Powder Bed Fusion Metal Additive Manufacturing
Lianyi Chen

Jianchi Zhou
ELECTRICAL ENGINEERING
Characterization and Modeling of ESD Events, Risk and Protection
Daryl Beetner
Candidates for Master’s Degrees

This program was prepared on Nov. 5, 2021. 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 Business

KATHLEEN DROWNE, INTERIM VICE PROVOST AND DEAN

Master of Science in Applied and Environmental Biology

David Duvernell, Chair
Lauren Ashley Francis

Master of Science in Applied Mathematics

V.A. Samaranayake, Interim Chair
Nagham Abbas Hadi
Al Qubbanchee
Brooke K. Fincham

Master of Business Administration in Business Administration

Keng L. Siau, Chair
Athem Waleed Alzubaidi
Teresa Michele Arnold
Devin L. Brewster
Eleanor Brett Chapman
Jennifer Suzanne Crowe
Brian Richard Decker
Rachel S. Fluegel
Christopher A. Korba
Christopher Steven Lupardus
Laura Marie Lupardus
Ryan Martin Meeter
James Scott Palmer
Phaze Breann Roeder
Ebrahem Salem
John Joseph Summers
Tara K. Sunderland

Master of Science in Chemistry

Department, Chair
Peter Oluwatomisin Aina
Emmanuel Kingsley Darkwah

Master of Science in Industrial-Organizational Psychology

Susan L. Murray, Chair
Jessica Burgett
Gina Renee Kelly
Michelle Ann Kelly
Meghan L. LeVota
Charita Michelle Willis

Master of Science in Information Science and Technology

Keng L. Siau, Chair
Jessica Rachelle Boles
Chunlei Fei
Shavonne Victoria Halterman
Aparna D. Kasiadhuni
He Liu
Brian Michael Locke
Divya Reddy Manku
Hangyu Wang

Master of Science in Technical Communication

Kristine Swenson, Chair
Acheme Christopher Acheme
Desmond Ado Brempong
Femi Daniel Alademehin
Joy Ampontah
Vivian Kate Barnes
Chloe Gail Francis
Elizabeth Anne Hoffer
Andrew Wesley Jones
Neal J. Kisor

Mary Catherine Kosacki
Daniel Ochekwu Ochekwu
Rudi A. Starek

Master of Science in Chemical Engineering

Hu Yang, Chair
Rajarshi Kar
Elizabeth Noelle Lemieux
Murtadha Mustafa
Musaqalab
Matthew Bendel Senter
Kaiying Wang

Master of Science in Civil Engineering

Joel Burken, Chair
Ali M. M. A. Alwael
Shelby Rae Burnworth
Deidra F. Foster
Reagan Holden
Stephen Karl Jackson Jr.
Christian Camingal
Magadi
Keenan Lawrence
McBurney
Marie Christianne Posten
Bowen Tan
Master of Science in Computer Engineering
Steve Watkins, Interim Chair  
Monish Krishna Reddy Kankanala  
Brian Trung Le  
Donald C. Wunsch III  
Raghu Yelugam

Master of Science in Computer Science
Samuel Frimpong, Interim Chair  
Zuoping Chen  
Anil Kumar Reddy Kodela  
Fredrick Eugene Love II  
Prithviraj Roy  
Prajith Sai Sabbani  
Matthew Brian Whitesides

Master of Science in Electrical Engineering
Steve Watkins, Interim Chair  
Madison Li Childress  
Joshua Alexander Foster  
Ogbole Collins Inalegwu  
Raja Babu Kamma  
Rishi Reddy Kundoor  
Jiangshuai Li  
Fuwei Ma  
Muhammad Shehroz Malik  
Li Shen  
Yang Xu

Master of Science in Environmental Engineering
Joel Burken, Chair  
Mitch Alan Kline  
Evan Alexander Provenza

Master of Science in Explosives Engineering
Kwame Awuah-Offei, Interim Director, Mining Engineering  
Patrick Gerard Cahill  
David Jason Kudrav  
Kayla Christine Riley

Master of Science in Geology and Geophysics
David Barroak, Chair  
Merrick Preston Ackert  
Brooke Amber Birckett  
Emma Louise Huber

Master of Science in Geotechnics
David Bayless, Chair  
Richard Hart Harrison  
Mackenzie Irene Palafox

Master of Science in Materials Science and Engineering
Gregory E. Hilmas, Chair  
Christopher Michael Croft  
Bharadwaja Ragampeta

Master of Science in Mechanical Engineering
David Bayless, Chair  
Sachin Choudhary  
Gregory Scott Highland  
Ashley Emari  
Kashiwabara  
Jonathan Mark Niekamp  
Raymond Phillips  
Brody James Corey  
Riemann  
Rajeev Narayana  
Reddy Vanga  
Nicholas Wendt

Master of Science in Metallurgical Engineering
Gregory E. Hilmas, Chair  
Inzamamul ishan  
Suyash Surendra Pawaskar

Master of Science in Mining Engineering
Kwame Awuah-Offei, Interim Director, Mining Engineering  
Ishmael Cornelius Amunzu  
José Luis Corchado-Albelo

Master of Science in Nuclear Engineering
Ayodeji B. Aloja, Interim Director, Nuclear Engineering  
Isaac Anthony Castillo  
James Floyd Mudd  
Murat Tüter

Master of Science in Petroleum Engineering
David Barroak, Chair  
Gregorio Do Rosario Pires

Master of Science in Systems Engineering
Suzanna Long, Chair  
Gabrielle Bryana Davenport  
Margaret Virginia Eicks  
Dean Shenng Li  
Patrick Emil Mischke  
Seun Sulaimon
Bachelor’s degree candidates who earned honors status by virtue of their academic records as of Nov. 5, 2021. 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.

Aaron Chang
Jason Andrew Coleman
Benjamin Daniel Ellebrecht
Samuel Cole Essary
Caleb Michael Freeland
Seth M. Gudeman
Amanda N. Hill
Caleb Ray Hock
Danielle Nadine Hopper
Connor Bryan Jones
James Hunter Koch
Andrew W. Leise
Peter T. Liu
Grant D. Miller
Viet V. Nguyen
Adam Thomas Rice
Amanda Jane Rodell
Stephen Michael Simmons
Adam Clark Van Allen
Jacob A. Willhoite
William J. Ziehm

Summa Cum Laude

Calvin C. Abt
Dominic Vidal Aguilar
Kousha Bahramahi
Jackson A. Barry
Katie Elizabeth Beel
Chloe Renee Bess
Zachary Daniel Bowers
Jared M. Branstetter
Nathan Norbert Bursil
Maxwell Oran Butler
Marquan Jamal Chaney
Loki David Cortner
Julien Denis
Hayden Thomas Dixon
Alex M. Drake
Jamie M. Foelsing
Benjamin James Forck
Karl S. Frank
Daniel James Gacioch
Timothy Gaines
Maria Rose Galbraith
Ethan Cole Galloway
Lucas D. Gerke
Theresa Anne Gibfried
Jenna Leigh Griffith
Jonathan Clark Henderson
Kyle Steven Hiestand
Evan R. Hite
Neha Joglekar
Kyle D. Johnson
Conor T. Joyce
Coleman Michael Keeley
Megan Elizabeth Kerr
Noah E. Klein
Kari Ann Knobbe
Brennan M. Long
Tyler Nelson William Mackey
Joseph Andrew Mendez
Santiago Gil Mendez Garcia
Nicole A. Morgenthaler
Scott Yoneo Nakayama
Anh T. Nguyen
Philip A. Olubodun
Jeffrey S. Phillips
Victoria R. Reilly
Patrick Sanchez
Samantha Elizabeth Schnitzlein
Jack William Schott
Jared Daniel Sinkey
Mitchell L. Skaggs
Elia S. Snider
Tyler Austin Strickland
Shay Elizabeth Sturgeon
Abby Marie Sybert
Andrew Dylan Thomas
Matthew R. Vashy
Kieran D. Watson
Shelby Elijah Ray
Wessellman
Mark Wiese
Karley Susan Winkelmann

Magna Cum Laude

Taryn S. Adam
Jared L. Allen
Lauren Elizabeth Allen
Faisal Khalid A. Almutairi
Mohammad Alqabandi
Sergio Amieiro Chavira
Charnise M. Anderson
Neil Thomas Anderson
Vincenzo Giuseppe Anthony
Edward J. Bateman
Hope Reagan Benson
Eyad Abdulkareem
Bin Alshaikh
Cameron Dale Brown
Brandon Matthew Burger
Ryan B. Cameron
Kathryn Adele Curran
Joshua N. Dalton
Christopher Morris Dempsey
Divya N. Digavalli
Grant S. Dixon
Susan E. Donaldson
Benjamin Michael Eldredge
Ana Paola Eueda Argueta
Tyler A. Fank
Elizabeth Marie Feth
Zachary J. Finley
Alex Fischer
Jacob T. Fitzpatrick
William Scott Fleetwood
Austin A. Fortuny
Collin Matthew Foster
Elliott Stuart Gathman
Alexander Robert Gehrin
Tyler A. Goedde
Katie A. Hamilton
Matthew Robert Hamilton
Michael Tyler Harden
Zachary J. Hart
Samantha Marie Hartmann
Luke James Hertzler
Quillian Raine Hill
Brock Aron Hinton
Casey D. Kemerer
Susan Elise Korn
Ryan Thomas Kruger
Nicholas A. Ketheis
Caleb G. Lawatsch
Aaron Andrew Lemmermann
Megan Katherine Lenox
Alex Jacob Lindner-Scherrer
Ming Ming Liu
Sophia Longwell
Tyler A. Lucarz
Anthony Roth Luebbert
Karlis Lisette Martinez-Dishman
Mitchell Douglas Meier
Alyce Eileen Menefee
Sourya S. Mogallapu
Nicholas Scott Morton
Brandon W. Nutter
Sawyer I. Opp
Dustin Lee Overschmidt
Cory A. Oviatt
Tarun Pasupuleti
Bryce Adam Penrod
Mark Milnes Poiridexter
Jennifer Lynn Preuss
Brent M. Rabe
Andy Robuck
Clare Catherine Sabata
Benjamin Joseph Sanfilippo
Jason M. Scherrer
Jason A. Schlaud
Anna Schneider
Daniel C. Schnelle
Jennifer M. Schunk
Donald Robert Shaw III
Thomas J. Silikowd
Samantha Jo Snook
Jacob Thomas Stagg
Kristin Leanne Steins
Shanil Nirav Tailor
Nicolas Joseph Tate
Anthony Truong
Quinton R. Turner
Joshua C. Urmish
Kyle Patrick Urich
Alexander Robert Wahlstedt
Matthew A. Walker
Anne Marie Westervelt
Evan E. Williams
Caleb Michael Wilson
Joshua David Woodman
Steven Yang
Cum Laude

Aaron Ananda Acharya
Zachary John Adams
Mohammad Nayef
Y. Al Delbah
Clayton Michael Backes
Blake Richard
Barthelmass
John Brandon Bauer
Matthew Thomas Bauman
Katherine Michelle Baxter
Zachary T. Bingham
Christopher L.
Blankenship
James Richard Bohanon Jr.
Jordan Ross Bowdish
Dalton Joe Brown
Joshua Khalil Brown
Hayden Thomas Carrico
Tyler S. Castro
Carrie L. Clinton
Kaitlyn Debra Cook
Hannah M. Cooper
Claire Anne Croley
Fletcher V. Daves
Marques A. Davis
Harrison Jeffrey Dee
Kyle M. Deeken
Michael A. Dickerson
Brett W. Elbert
Abdulaziz Mohamed
Hisham Fakher
Alexander Blake Fortney
Michael J. Gautieri
Joshua C. Gervich
Frederick Jayy Glover
Christopher Joseph
Grellner
Luke Anthony Guenther
Dylan Michael Harmon
McKenna A. Harnacke
Khalil Alexander Harris
David Paul Hawickhorst
Zavian Myles Stephen Hill
Ethan Hisle
Austin J. Hoerstkamp
Zachary W. Hoffman
Kathryn Eleanor Holland
Dylan Willard Horne
Kate Lauren Hoynacki
Gregory Eimert Hubscher
Logan B. Ingram
Chance E. Jeffries

Brett Jennings
Paul William Johnson
Ethan Garrett Jones
Andrew G. Katzung
Elijah L. Kelly
James Michael Koch
Jack H. Kufa
Nicholas Lee Larson
Yewei Li
Ryan Scott Losensky
Ethan D. Lowrey
Christopher Allen
Macrander
Charles V. Maddi IV
Brett Micheal Manegre
Julia Marshall
Payton Reid McAlister
Nicholas James McCann
Garrett R. Miller
Jay Thomas Mrotek
Jack T. Murphy
Kaitlynn Irene Murphy
Alexis G. Netherlain
David A. Newman
Jacob R. Nowack
Dillon James O’Kelly
Jonathan A. Ogden
Justin Chidi Arinze
Onwugbuafor
Austin Daniel Padgett
Johnathon F. Peine
Hayllee A. Pettus
Makenna Suzanne Pickett
Corazon Pinote
Eric William Price
Walter Clarence
Pudiwitr III
Christian Anthony Reihms
Richard E. Rhein
Adam Ryan Sawyer
Peter R. Schainker
Bradley A. Scherrer
Brannon Michael
Schroeder
Alexandra Danielle
Schulte
Elizabeth Marie Scott
Pavel Andreyevich Smolin
Maitland Bayley
Sky Stafford
Sophia E. Stone
Griffin W. Taake
Samuel Kaiser Thompson
Emily Marie Thrower

Tyler Joseph Tschannen
Gabrielle Ann Uhles
Daniel J. Vaeth
Isaac John Velkamp
Gregory Charles Walker
Gabrielle M. Watson
Adam M. Welz
Trevor Garrett Witt
Jaren R. Wright
Robert D. Wyand
Chase Matthew Wynd
Sara A. Yokeley

HONORS ACADEMY
FELLOW IN BIOLOGICAL
SCIENCES

Elizabeth Marie Feth
Jenna Leigh Graff

HONORS ACADEMY
FELLOW IN BUSINESS
AND MANAGEMENT
SYSTEMS

Susan Elise Korn

HONORS ACADEMY
FELLOW IN CHEMISTRY

Kari Ann Knobbe

HONORS ACADEMY
FELLOW IN MECHANICAL
ENGINEERING

Aaron Chang
Elias B. Snider
Joshua David Woodman

APPOINTED SECOND
LIEUTENANT UNITED
STATES ARMY

Hayden Thomas Carrico
This program was prepared on Nov. 5, 2021. 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.

Candidates for Bachelor’s Degrees

College of Arts, Sciences, and Business

KATHLEEN DROWNE, INTERIM VICE PROVOST AND DEAN

Bachelor of Science in Applied Mathematics

V.A. Samaranayake, Interim Chair

Neil Thomas Anderson
Emily Madison Brown
Ethan Cole Galloway
Samantha Elizabeth Schnitzlein
Sara A. Yokeley

Bachelor of Arts in Biological Sciences

David Duvernell, Chair

Cassandra L. Gorman
Jeffrey L. Taylor Jr.

Bachelor of Science in Biological Sciences

David Duvernell, Chair

Katie Elizabeth Beel
Amber LeeAnn Comfort
Ebony Cleopatra
Nodra Daley
Sarah Elizabeth Davis
Elizabeth Marie Peth
Jenna Leigh Graff
Katherine R Hostetler
Sophia Longwell
Karla Lisette Martinez-Dishman
Kaysa Krysyan
Olson Wilkinson
Sawyer I. Opp
Makenna Suzanne Pickett

Bachelor of Science in Business and Management Systems

Michael G. Hilgers, Interim Chair

Clayton Michael Backes
Joshua Kahlil Brown
Benjamin L. Byers
Aundray S. Henley
Luke James Hertzler
Erica Marie Huber
Benjamin A. Huinker
Brett Jennings
Susan Elise Korn
Yewei Li
Benjamin Joseph Sanfilippo
Samantha Jo Snook
Abby Marie Sybert

Bachelor of Science in Chemistry

Rainer Glaser, Chair

Loki David Cortner
Christopher Morris Dempsey
Taryn P. Dewey
Samuel Kaine Geers
Kari Ann Knobbe
Julia Marshall
Carly E. Mcke
Nicole D. Wheeler

Bachelor of Arts in Economics

Michael Davis, Interim Chair

Bryce Steven Pruett

Bachelor of Science in Economics

Michael Davis, Interim Chair

Marcus C. Vasquez
Noah Lawrence Williams

Bachelor of Science in Education

Beth Kania-Gosche, Chair

Mykala Rose Baylor
Theresa Anne Gibfried
Meghan Elizabeth Mauldin
Shay Elizabeth Sturgeon

Bachelor of Science in English and Technical Communications

Kristine Swenson, Chair

Taryn S. Adam
Charnise M. Anderson
Jay Jackson Clark
Katja Doebelin
Celtic O. Pipkin

Bachelor of Arts in English

Kristine Swenson, Chair

Maitland Bayley
Sky Stafford

Bachelor of Arts in History

Michael Bruening, Interim Chair

Johnathan Robert Carriker
Brian T. Lafser
Nicholas Geen Sung Lum
Maitland Bayley
Sky Stafford
Adam Clark Van Allen
Trevor J. Walker

Bachelor of Science in History

Michael Bruening, Interim Chair

Caleb S. Ashlock
Hayden Thomas Carrico

Bachelor of Science in Information Science and Technology

Michael G. Hilgers, Interim Chair

Alexander Paul Andrews
Maxwell Orion Butler
Mark James Chafin
Marcques A. Davis
Harrison Jeffrey Dee
Pavitra Deshpande
Noah Francis Donnelly
Joseph Reeve Galczynski
Brittany Ann-Marie Gradford
Peter Raymond Jaegers
Neha Joglekar
Kyle D. Johnson
Conor T. Joyce
Casey D. Kemerer
Andrey S. Komarov
Sai Deeshpika Reddy Kotla
Tobias Joseph Loaiza
Aaron Moya
Brent M. Rabe
Jonathan M. Rooney
Jennifer M. Schunk
Abby Marie Sybert
Evan E. Williams
Yonnas A. Wole

Bachelor of Arts in Multidisciplinary Studies

Audra Merfeld-Langston, Chair

Kaitlynn Irene Murphy

Bachelor of Science in Physics

Thomas Vojta, Chair

Noah J. Baden
Joshua N. Dalton
Brock Aron Hinton
Ethan Hisle
Bachelor of Arts in Psychology
Susan L. Murray, Chair
Karen Joyce Spreng

Bachelor of Science in Psychology
Susan L. Murray, Chair
Roderick Lynn
Chapman Jr.
Matthew D. Dew
Aaron J. Hardy
Alexis G. Netherlain
Justin Chidi Arinze
Onwugbufor
Samantha Elizabeth Schnitzlein

Bachelor of Science in Technical Communication
Kristine Swenson, Chair
Tucker Jordan

College of Engineering and Computing
RICHARD WLEZIEN, VICE PROVOST AND DEAN

Bachelor of Science in Aerospace Engineering
David Bayless, Chair
Kristen E. Copeland
Zachary J. Hart
Ethan Garrett Jones
James Michael Koch
Johnathon F. Peine
Parker E. Zelei
William J. Ziehm

Bachelor of Science in Architectural Engineering
Joel Burken, Chair
Eithar Hisham Alrabaan
Noah Hunter Aschemann
Dalton Joe Brown
Ty Matthew Conley
Madison Rylee Gordon
Michael Tyler Harden
McKenna A. Harnacke
Kate Lauren Hoynacki
Kodey LaBrian
Lane-Norful
Christian Jacob Layman
Ezekiel Michael Peterson
Victoria R. Reily
Peter R. Schainker
Alexandra Danielle Schulte
Stephen Michael Simmons
Karley Susan Winkelmann

Bachelor of Science in Ceramic Engineering
Gregory E. Hilmas, Chair
Alyssa M. Bax
Mitchell Clark Burkett
Rebecca A. Connor
Danielle Nadine Hopper
Megan Katherine Lenox
Alexander Bryce Lipari
Anthony Roth Luebert
Benjamin T. Mattes
Garrett R. Miller
Jay Thomas Mrotek
Erica Marie Pizzo
Clare Catherine Sabata
Anna Schneider
Jared P. Schuman
Kyle J. Smerek
Matthew R. Vishy
Matthew A. Walker
Robert D. Wyand

Bachelor of Science in Chemical Engineering
Hu Yang, Chair
Mohammad Nayef Alajmi
Allison R. Ashbrook
Feras Mohammed
Bahattab
Kousha Bahramahi
Chloe Renee Bess
Christopher L. Blankenship
Benjamin Tyler Burris
Carrie L. Clinton
Kaitlyn Debra Cook
Hannah M. Cooper
Kathryn Adele Curran
Susan E. Donaldson
Jonathan Jamal Duquem
Benjamin Daniel Ellebrecht
Kathryn Marie Epperly
Ana Paola Euceda Argueta
Jamie M. Foelsing
Daniel James Gacioch
Frederick Jayy Glover
Katie A. Hamilton
Samantha Marie Hartmann
Kathryn Eleanor Holland
Ethan D. Lowrey
Fahad Mohammed
Y. Majrashi
Kyle William Martin
Jackson Wilson Meiser
Alyce Eileen Menefee
Brodick A. Niemeier
Brandon W. Nutter
Dillon James O’Kelly
Jennifer Lynn Preuss
Walter Clarence Pudiwitr III
Patrick Barry Sachs
Brannon Michael Schroeder
Brooke Ann Southard
Griffin W. Taake
Gabrielle Ann Uhles
Erik A. Valdez
Kaitlyn N. Wedemeyer
Adam M. Welz

Bachelor of Science in Civil Engineering
Joel Burken, Chair
Zachary John Adams
Abdulaziz Alameri
Mohammad Alqabandi
Sergio Amieiro Chavira
Katherine Michelle Baxter
Dalton Joe Brown
Jason Andrew Buffington
Jason Andrew Coleman
Claire Anne Crole
Kyle M. Deeken
Gavin J. Etz
Abdulaziz Mohamed
Hisham Fakher
Tyler A. Fank
Collin Matthew Foster
Caleb Michael Freeland
Lucas D. Gerke
Madison Rylee Gordon
Christopher Joseph Grellner
Luke Anthony Guenther
Michael Tyler Harden
Dylan Michael Harmon
Kyle Steven Hiestand
Zavian Myles Stephen Hill
Mary Katherine Hoeft
Austin J. Hoernstikamp
Kate Lauren Hoynacki
Brendan D. Killion
Dylan Robert LaVallee
Kodey LaBrian
Lane-Norful
Bachelor of Science in Geological Engineering
David Borrok, Chair

Gretta Boerding
Jared M. Branstetter
Megan J. Burns
Logan B. Ingram
Megan Elizabeth Kerr
Heather Ann LeCroix
Lauren Michelle Todd
Anne Elizabeth Vernon

Bachelor of Science in Geology and Geophysics
David Borrok, Chair

Taryn S. Adam
Haden Q. Holman
Chatchai Karapong
Dustin Lee Overschmidt

Bachelor of Science in Mechanical Engineering
David Bayless, Chair

Calvin C. Abt
Aaron Ananda Acharya
Dominic Vidal Aguilar
Lauren Elizabeth Allen
Vincenzo Giuseppe Anthony
Jackson A. Barry
Kamau Donta Barry
Blake Richard Barthelemass
John Brandon Bauer
Matthew Thomas Bauman

Bachelor of Science in Metallurgical Engineering
Gregory E. Hilmas, Chair

Ethan H. Damico

Bachelor of Science in Mining Engineering
Kwame Awuah-Offei, Interim Director, Mining Engineering

Scott Anthony Callahan
Philip Arthur Norris

Bachelor of Science in Nuclear Engineering
Ayodeji B. Aloja, Interim Director, Nuclear Engineering

Solomon Aaron McNeal
Caleb Ronald Porter

Bachelor of Science in Petroleum Engineering
David Borrok, Chair

Paul N. Adams
Yousef E. M. Almubarak
Eyad Abdulkareem
Bin Alshaikh
Garret Lyle Burns
Austin A. Fortuny
Tyler A. Goedde
Joshua Patrick Nelson
Adam Thomas Rice

Lee C. Swearingen
Shanil Nirav Tailor
Andrew Dylan Thomas
Emily Marie Thrower
Tyler Joseph Tschannen
Quinton R. Turner
Joshua C. Umrysh
Kyle Patrick Urich
Daniel J. Vaeth
Isaac John Velkamp
John Thomas Wade
Alexander Robert Wahlstedt
Benjamin Joseph Webb
Mark Wiese
Caleb Michael Wilson
Joshua David Woodman
Parker E. Zelei
William J. Ziehm
INTER-COMMENCEMENT DEGREES
FRIDAY, JULY 30, 2021
Candidates for Doctor of Philosophy Degrees

This program was prepared on July 30, 2021. 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.

Busuyi Ojo Adebayo
CHEMICAL ENGINEERING
Cyclic and Sequential Adsorption Desorption/Thermal Catalytic Oxidation of Volatile Organic Compounds: Experiments and Modeling
Fateme Rezaei

Damola Martins Ajiboye
MECHANICAL ENGINEERING
Prediction of Battery Health Dynamics
Jonghyun Park

Kailun Ba
GEOLOGY AND GEOPHYSICS
Receiver Function Imaging of the 610 and 660KM Discontinuities and Seismic Azimuthal Anisotropy Revealed by Shear Wave Splitting Beneath the Australian Continent
Stephen Gao

Palash Kumar Bhowmik
NUCLEAR ENGINEERING
Scaling, Experiments, and Simulation of Condensation Heat Transfer for Advanced Nuclear Reactors Safety
Joshua Schlegel

Okanmisope Aziel Fashanu
MECHANICAL ENGINEERING
Additively Manufactured Metallic Cellular Structures
K. Chandrashekhara

Josh Henry
Goldschmid
SYSTEMS ENGINEERING
A Cluster-Based Framework for Interface Analysis in Large-Scale Aerospace Systems
Steven Corns

Jacob Marshal Hale
ENGINEERING MANAGEMENT
Infrastructure Systems Modeling Using Data Visualization and Trend Extraction
Suzanna Long

Fahd Amin Hariri
ELECTRICAL ENGINEERING
Protection of Modern Distribution Systems
Mariesa L. Crow

Rayan Hassane Assaad
CIVIL ENGINEERING
Innovative Management and Modeling of Infrastructure Systems, Engineering and Construction Operations, and Offsite Construction Technology Using Computational Analytics
Islam H. El-Adaway

Andre Stephen Hawks
GEOLOGICAL ENGINEERING
Helical Deflection Under Loading Prediction
J. David Rogers

Joji Henry
CHEMICAL ENGINEERING
Development of Tripodal and Bipodal Ligand Frameworks and First-Row Transition Metal Reagents for Selective C-N Bond Construction Methodologies
Pericles Stravropoulos

Anshika Kalra
CHEMISTRY
Synthesis, Evaluation and Optimization of a Novel Polymer System for Preformed Particle Gel Conformance Control
Ralph E. Flori

Ke Li
CHEMICAL ENGINEERING
Studies on Protein Solubility
Daniel Forciniti

Lan Li
MECHANICAL ENGINEERING
Numerical and Experimental Study of Mechanical Properties for Laser Metal Deposition (LMD) Process Parts
Frank Liou

Zhi Li
CIVIL ENGINEERING
Studies on Tornado-Structure Interactions and Guidance on Design Tornadic Wind Loading
Guirong (Grace) Yan

Sarah Locke
MATHEMATICS
Proper Orthogonal Decomposition: New Approximation Theory and a New Computational Approach
John Singler

Adriane Marie Melnyczuk
PETROLEUM ENGINEERING
Synthesis, Evaluation and Optimization of a Novel Polymer System for Preformed Particle Gel Conformance Control
Ralph E. Flori

Jiayi He
ELECTRICAL ENGINEERING
EMI Characterization for Power Supplies and Machine Learning Based Modeling Techniques in EMC/EMI
Chulsoon Hwang

Rachel Ann Jones
GEOLOGICAL ENGINEERING
J. David Rogers

Okanmisope Aziel Fashanu
MECHANICAL ENGINEERING
Additively Manufactured Metallic Cellular Structures
K. Chandrashekhara

Jiayi He
ELECTRICAL ENGINEERING
EMI Characterization for Power Supplies and Machine Learning Based Modeling Techniques in EMC/EMI
Chulsoon Hwang

Rachel Ann Jones
GEOLOGICAL ENGINEERING
J. David Rogers

Okanmisope Aziel Fashanu
MECHANICAL ENGINEERING
Additively Manufactured Metallic Cellular Structures
K. Chandrashekhara
Sreevalsan Sanathanan Menon
MECHANICAL ENGINEERING
Identification of Neuromarkers Using Structural and Functional Neuroimaging
K. Krishnamurthy

Kentaro Mogushi
PHYSICS
Improving the Data Quality in Gravitation-Wave Detectors by Mitigating Transient Noise Artifacts
Marco Cavaglia

Bolorchimeg Nanzad
GEOLOGY AND GEOPHYSICS
The Pilot Knob Magnetite, Pilot Knob Hematite, and Shepherd Mountain Iron Oxide Deposits in Southeast Missouri – Near-Surface Expressions of a Magmatic-Hydrothermal Plumbing System?
Marek Locmelis

Ryan John Norbo Honerkamp
CIVIL ENGINEERING
Reveal Wind Loading of Tornadoes and Hurricanes on Civil Structures Towards Hazard-Resistant Design
Guirong (Grace) Yan

Sepehr Saadatmand
ELECTRICAL ENGINEERING
Advanced Control Techniques for Modern Inertia Based Inverters
Pourya Shamsi

Mario Santos
AEROSPACE ENGINEERING
Multi-Fidelity Modeling for Aerothermal Analysis of Deployable Planetary Entry Technologies
Sethat Hosder
Evan Charles Schwind
CERAMIC ENGINEERING
Thermal and Mechanical Properties of Novel Carbide Materials
Gregory Hilmas
Ashutosh Shrivastava
GEOLOGY AND GEOPHYSICS
Spatial Variations of Teleseismic P-Wave Attenuation and Scattering Beneath the Southeastern United States and the Malawi and Luangwa Rift Zones in Africa
Kelly H. Liu
Chathuri Chandani Silva
PHYSICS
Computational Studies of Carbon Nanocluster Solidification
Philip Fraundorf and Julia Medvedeva

Ryan Phillip Steere
NUCLEAR ENGINEERING
Radiation Damage Effects on the Thermal Storage Properties of Organic Phase Change Materials
Joshua Schlegel

Atta Ur Rehman
MINING ENGINEERING
Using Similitude Theory and Discrete Element Modeling to Understand the Effects of Digging Parameters on Excavation Performance for Rubber Tire Loaders
Kwame Awoah-Offei
Kari Catherine Ward
AEROSPACE ENGINEERING
Information-Based Methods and Models for Particle Flow Filtering
Kyle J. DeMars
Shuo Yang
CHEMISTRY
Development of Intelligent Stimuli-Responsive Biomaterials and Nanodevices
Risheng Wang

Yuchen Yang
GEOLOGY AND GEOPHYSICS
Mantle Flow Systems Associated with Slab Subduction and Absolute Plate Motion in Alaska Constrained by Shear Wave Splitting Analyses
Stephen Gao

Xinzhe Yuan
CIVIL ENGINEERING
Deep Learning-Based Surrogate Models for Post-Earthquake Damage Assessment
Genda Chen

Yi Zhang
MATHEMATICS
Count Data Time Series Models and Their Applications
V.A. Samaranayake

Yang Zhao
PETROLEUM ENGINEERING
Enhancing Heavy Oil Recovery by Combining Polymer Flood and Micogel Conformance Control Treatment
Baojun Bai and Mingzhen Wei

Yue Zhou
MATERIALS SCIENCE AND ENGINEERING
Phase Formation and Thermal Conductivity of Zirconium Carbide
William Fahrenholtz

Yaqi Zhu
MECHANICAL ENGINEERING
Advanced Battery Modeling for Interfacial Phenomena and Optimal Charging
Jonghyun Park
Candidates for Master's Degrees

This program was prepared on July 30, 2021. 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 Business

KATHLEEN DROWNE, INTERIM VICE PROVOST AND DEAN

Master of Science in Applied Mathematics
VA. Samararanyake, Interim Chair
Talal Nasser Alharbi

Master of Science in Industrial-Organizational Psychology
Susan L. Murray, Chair
Sydney Frances Campbell

Master of Science in Information Science and Technology
Michael Gene Hilgers, Interim Chair
Christopher M. Bent
Kevin Wayne Kleinsorge
Griffin Francis Sauter
Anne Martin Scharf
Simpson
Tongxin Zheng

Master of Science in Technical Communication
Kristine Swenson, Chair
Elizabeth S. Reardon

College of Engineering and Computing

RICHARD WLEZIEN, VICE PROVOST AND DEAN

Master of Science in Aerospace Engineering
David Bayless, Chair
Logan J. Thomure

Master of Science in Civil Engineering
Joel Burken, Chair
Chenxi Chen
Aakash Jayant Prajapati
Doaa Oqlah Rjoub

Master of Science in Electrical Engineering
Steve Watkins, Interim Chair
Devdatt Chattopadhyay
Gideon Hallman
Runbing Hua
Shuang Liang
Rui Mi
Wonchel Song
Michele Jane White

Master of Science in Engineering Management
Suzanna Long, Chair
Matthew Thomas
Heatherly
Rajarshi Kar
Hycintia Rani Subash
Harishankar
Vasudevanallur
Subramanian
Phillip M. Wall

Master of Science in Explosives Engineering
Kwame Awuah-Offei, Interim Director, Mining Engineering
Nathan Franz
Paerschke-O’Brien
Kwaku Zinatunor

Master of Science in Explosives Technology
Kwame Awuah-Offei, Interim Director, Mining Engineering
John Cappleman

Master of Science in Geology and Geophysics
David Borrok, Chair
Nathan G. Limbaugh

Master of Science in Geotechnics
David Borrok, Chair

Master of Science in Manufacturing Engineering
David Bayless, Chair
Mudha Swanand Joshi

Master of Science in Mechanical Engineering
David Bayless, Chair
Jyothi Komatireddy
Fazlur Rashid
Hossein Sehhat

Master of Science in Mining Engineering
Kwame Awuah-Offei, Interim Director, Mining Engineering
Bharath Chowdary
Ballamudi
Nicolas Ariel Polignan

Master of Science in Nuclear Engineering
Ayodeji B. Alajo, Interim Chair, Nuclear Engineering and Radiation Science
Soumi Banerjee
Zhongmin Jin
Elijah C. Lutz

Master of Science in Petroleum Engineering
David Borrok, Chair
Abdullah F. M. M.
Alshammary
Zhixiang Liu
Bruce Agyapong Ofori

Master of Science in Systems Engineering
Suzanna Long, Chair
Alexander Carraquillo
Julius Thang Ta
Candidates for Bachelor’s Degrees

This program was prepared on July 30, 2021. 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 Business

KATHLEEN DROWNE, INTERIM VICE PROVOST AND DEAN

Bachelor of Science in Applied Mathematics

V.A. Samaranayake, Interim Chair

Sara A. Yokeley

Bachelor of Science in Biological Sciences

David Duvernell, Chair

Cameron D. Combs
Joseph G. Dantin
Aurelia E. Garland
Allegra M. Kerns
Stephen T. Lenk

Nicolas Masella
Keshia Renee Wilson
Benjamin Yingling

Bachelor of Science in Business and Management Systems

Michael Gene Hilgers, Interim Chair

Austin Randall Wagner

Bachelor of Arts in English

Kristine Swenson, Chair

Tammy Lea Korte

Bachelor of Science in Information Science and Technology

Michael Gene Hilgers, Interim Chair

Daniel D. Trask

Bachelor of Arts in Multidisciplinary Studies

Audra Merfield-Langston, Chair

Nathan M. Benefiel

Bachelor of Science in Physics

Thomas Vojta, Chair

Zachary R. Driemeyer

Bachelor of Science in Technical Communication

Kristine Swenson, Chair

William D. Reardon
Peter J. Schonberg

College of Engineering and Computing

RICHARD WLEZIEN, VICE PROVOST AND DEAN

Bachelor of Science in Aerospace Engineering

David Bayless, Chair

Cody James Crowell
Andrew W. Dobson

Bachelor of Science in Architectural Engineering

Joel Burken, Chair

Abdulrahman M. Y. M. Taleb Sr.

This program was prepared on July 30, 2021. 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.
Bachelor of Science in Ceramic Engineering  
Gregory E. Hilmas, Chair  
Nicholas Brian Henry  
Erandi Murillo Duran  

Bachelor of Science in Chemical Engineering  
Hu Yang, Chair  
Abram Luke Shay-Zapien  

Bachelor of Science in Civil Engineering  
Joel Burken, Chair  
Joseph Boyd Nickell  
Ian Joseph Poe  
Austin James Wiecher  

Bachelor of Science in Computer Engineering  
Steve Watkins, Interim Chair  
Caleb Bennett Higgs  
Benjamin A. Osborne  
Lucas Dale Reynolds  

Bachelor of Science in Computer Science  
Samuel Frimpong, Interim Chair  
Kara Dianne Brown  
Brett David Heinkel  
Brendan Patrick Liebhart  
Benjamin A. Osborne  
Sam Pham  
Kenneth Allen Ragan  
Madeline Victoria Skora  

Bachelor of Science in Electrical Engineering  
Steve Watkins, Interim Chair  
Logan Joseph Bates  
Caleb Bennett Higgs  
Jonah Joseph Montgomery  
Nicholas Magnus Spears  
Matthew Lawrence  
Steineman  
Shay A. Wade  

Bachelor of Science in Engineering Management  
Suzanna Long, Chair  
Miriam Vollmer  
Aponte Garcia  
Ian Thomas Gilhooly  
Eriselda Leka  
Serena Lynn Lopez  
Zachary Daniel Wiegand  

Bachelor of Science in Geology and Geophysics  
David Borrok, Chair  
David Buback  
Sarah Rose Gartner  
Miceal Tamas Hannon  
Mary Catherine Konopelaki  
Pa Omar Konteh  
Jacob S. Reynolds  
Jonathan Douglas Ritter  

Bachelor of Science in Mechanical Engineering  
David Bayless, Chair  
Cody James Crowell  
Colton S. Hart  
Michael John Saxton  

Bachelor of Science in Mining Engineering  
Kwame Awuah-Offei, Interim Director, Mining Engineering  
Muhammed Fazlacig  

Bachelor of Science in Petroleum Engineering  
David Borrok, Chair  
Fahd Alenezi  

Bachelor’s degree candidates who earned honors status by virtue of their academic records as of Nov. 5, 2021. Final determination of honors will be based on academic records after all work in progress is completed.

Undergraduate Honors

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

Joseph Boyd Nickell  

Summa Cum Laude  
Kara Dianne Brown  
Benjamin A. Osborne  
Ian Joseph Poe  

Magna Cum Laude  
Zachary R. Driemeyer  
Miceal Tamas Hannon  
Colton S. Hart  
Jonah Joseph Montgomery  
William D. Reardon  
Nicholas Magnus Spears  
Austin Randall Wagner  

Cum Laude  
Logan Joseph Bates  
David Buback  
Caleb Bennett Higgs  
Pa Omar Konteh  
Peter J. Schonberg  
Austin James Wiecher  
Keshia Renee Wilson  
Benjamin Yingling