ACADEMIC ATTIRE
The colorful attire worn by graduates, faculty, trustees and officers of the University has historic roots in the distant medieval past. Dressed in cap and gown, the graduates and their professors are part of a long tradition that dates back to Paris and Bologna, Italy, to Oxford and Cambridge, England, in the days of their Catholic glory.

The exact origins of several parts of the academic garb are a bit of a mystery. Because medieval students enjoyed the status of cleric during their university years, one might guess that their attire found its inspiration in the clerical dress of medieval times. The gown seems to be an adaptation of the robe of friar or priest; the hood, of the monk’s or friar’s cowl; and the mortarboard cap of today recalls the skullcap of days when tonsured heads needed protection against the drafts of medieval classrooms.

Academic attire began to appear on U.S. campuses in the late 1890s. Since that time, its use has become universal for solemn university functions, and its pattern is highly uniform.

THE GOWNS
The gowns are three in number and styling. That of the bachelor is a yoked, closed-front garment with long pointed sleeves; that of the master has sleeves long and closed but slit just above the elbow to allow the forearms to protrude; the gown of the doctor has full, bell-shaped sleeves. Only the doctor’s gown is trimmed — with velvet panels down the front and three velvet bars on each sleeve.

THE HOOD
The hood at first seems to have been worn over the head and attached to the gown. When the skullcap was introduced, the hood was retained but detached and worn much as it is today. Each degree (bachelor’s, master’s, doctoral) has its special hood, which varies in length and, for the doctor, also in pattern. The color or colors lining the hood are those of the college or university that granted the wearer’s degree. For example, Saint Louis University is known by blue chevron on a field of white. The colored velvet binding or edging of the hood, in different widths for bachelor, master and doctor, is determined by the field of study.

THE CAP
The cap, or mortarboard, has become the universally accepted style for colleges and universities in the United States. Many European institutions still retain distinctive forms of academic headdress.

THE TASSEL
The tassel is perhaps the most iconic souvenir of academic attire. The doctor, following graduation, has the right to wear a gold tassel on the mortarboard; black, however, is perfectly proper and perhaps more common. A tolerated practice of varying the color of the tassel on the others has gained acceptance: arts, white; science, gold-yellow; philosophy, dark blue; education, light blue; business, drab; nursing, apricot; technology and engineering, orange; hospital administration, salmon; public administration, peacock blue; social work, citron; law, purple; medicine, green; theology, scarlet; and allied health professions, mint green.
ORDER OF EVENTS

WELCOME
Scott Sell, Ph.D.
Associate Dean for Undergraduate Education

PRESENTATION OF COLORS
Parks Guard Rifle Drill Team

NATIONAL ANTHEM

THE INVOCATION
James A. Sebesta, S.J., M.S.

DEAN'S REMARKS
Scott Sell, Ph.D.
Associate Dean for Undergraduate Education

Presentation of the Graduates

Awards

GRADUATING STUDENT AWARDS

THE BENEDICATION
James A. Sebesta, S.J., M.S.

RECESSIONAL
BACHELOR OF ARTS AND BACHELOR OF SCIENCE

AERONAUTICS

Khaled Farouk Abusaid
Saint Louis, Missouri
Flight Science

Christopher Olawale Aderupatan
Chicago, Illinois
Aviation Management

Mohamed Morad Almajid
Chicago, Illinois
Flight Science
magna cum laude

Salem B. Alotaibi
Makkah, Saudi Arabia
Aviation Management
cum laude

David Joseph Barajas
San Francisco, California
Flight Science
cum laude

Nicholas J. Bohn
West Bend, Wisconsin
Flight Science
cum laude

Adam T. Burke
Shawnee, Kansas
Flight Science
magna cum laude

Samuel Holthaus Byrne
Saint Louis, Missouri
Flight Science
magna cum laude

Ruth C. Calix
Chicago, Illinois
Aviation Management

Zachary John Carlson
Highland, Illinois
Flight Science

Chia-Hsing Chu
Taoyuan, Taiwan
Flight Science
cum laude

Gerald Ray Cockrum
Granite City, Illinois
Flight Science

Yu Feng
Saint Louis, Missouri
Flight Science

Jacob William Flowers
Saint Louis, Missouri
Aviation Management

Patrick Daniel Forester
Edmond, Oklahoma
Aviation Management

Cody Robert Going
Florissant, Missouri
Flight Science

Akio Karl Hansen
Bainbridge Island, Washington
Aviation Management
summa cum laude

Christian Robert Henkel
Batavia, Illinois
Aviation Management
summa cum laude

Devin James Henneberry
Scottsdale, Arizona
Flight Science
magna cum laude

Logan James Hine
Columbia, Missouri
Flight Science

Kellen Leighton Johnson
Saint Louis, Missouri
Flight Science

Kyle David Kaestner
O’Fallon, Missouri
Flight Science
summa cum laude

Alma Karabas
Saint Louis, Missouri
Flight Science
cum laude

Marike Angela Lusvitania Kobepa
Nabire, Papua, Indonesia
Aviation Management

Tyler Glenn Lambert
Pacific, Missouri
Aviation Management
summa cum laude

Samuel Cooper Lehmann
Dunwoody, Georgia
Flight Science
magna cum laude

Stephen Patrick Lindberg
Kildeer, Illinois
Aviation Management

Poyi Liu
Taipei, Taiwan
Aviation Management

Angela Marie Lowell
Kailua, Hawaii
Aviation Management

Joseph Kyle Mason
Saint Louis, Missouri
Aviation Management
summa cum laude

Christopher Charles Moll
Cincinnati, Ohio
Flight Science
summa cum laude

Ijahman Elon Morgan
Springfield, Massachusetts
Flight Science
cum laude

Hannah Marie Nodge
Cleveland, Ohio
Flight Science
magna cum laude

Johan Ivan Perez
Chicago, Illinois
Aviation Management

Michael Gerard Place
Highlands Ranch, Colorado
Flight Science
magna cum laude

Alexander Donald Schulz
Fenton, Missouri
Aviation Management
Curtis James Scott  
Chicago, Illinois  
Flight Science

Nathaniel M. Seliner  
Saint Louis, Missouri  
Flight Science

Adam Jacob Shelton  
Pawnee, Illinois  
magna cum laude  
Flight Science

Andrew Reed Sinelli  
Apache Junction, Arizona  
Flight Science  
summa cum laude

Tessa Lynne Snow  
Fairview, Missouri  
Aviation Management

Ashley Paige Storz  
Saint Louis, Missouri  
Aviation Management  
summa cum laude  
Additional Major: Psychology

James Holden Strickland-Amico  
Durham, North Carolina  
Flight Science

Marisa Warren  
O’Fallon, Missouri  
Flight Science

Patrick Miles Waterman  
Indianapolis, Indiana  
Flight Science  
summa cum laude

Michael Edward Brady  
Littleton, Colorado  
magna cum laude

Pasquale Joseph Brandonisio  
Hampshire, Illinois

Francisco De Jesus Bueno Rojas  
Saint Louis, Missouri

Alejandro Calleja Bezares  
Logroño, La Rioja, Spain  
magna cum laude

Andres Castillo  
Chicago, Illinois

Jordan Andrew Decker  
Clinton, Wisconsin

Victoria Lizabeth Ervin  
Pensacola, Florida  
cum laude

Ford O. Frazer  
Plainfield, Illinois

Griffin Patrick Goss  
Kansas City, Missouri  
cum laude

Fauzan Hakimi Hasanbasri  
Sleman, Indonesia

Michael W. He  
Chesterfield, Missouri

Keegan Patrick Hegger  
Saint Louis, Missouri

Stephen D. Hyndman  
Prospect Heights, Illinois

William Jared Jackson  
Saint Peters, Missouri

Caleb Kasten  
Saint Louis, Missouri  
cum laude

Marcus Charles Klupar  
Skagway, Alaska

Juanita Latorre Jaramillo  
Medellin, Colombia  
summa cum laude

Cullen Maxwell Leming  
Ballwin, Missouri

Jeffrey Todd Lewis  
Saint Louis, Missouri

Eduardo Lobo Infante Da Camara Teixeira  
Curitiba, Brazil  
magna cum laude

Jorge Martin De Valmaseda Sarrion  
Madrid, Spain

Julia Elizabeth Maxwell  
Germantown, Tennessee  
summa cum laude

Matthew Ryan Metz  
West Bend, Wisconsin  
magna cum laude

Louis Otto Meyer  
Saint Louis, Missouri  
summa cum laude

Ainhoa Muñiz Quintana  
Madrid, Spain  
cum laude

Atif El Nakib  
Beirut, Lebanon

Blake Fisher Peftoulidis  
Humboldt, Tennessee

Nicole M. Russ  
Cary, Illinois

Mateo Salazar  
Chicago, Illinois

Aaron Clark Staszewski  
Hampshire, Illinois  
magna cum laude

Shane Kevin Todd  
Centennial, Colorado

Daniel Victor Verdico  
Arlington Heights, Illinois  
summa cum laude

Benjamin J. Wielgos  
Plainfield, Illinois

AEROSPACE ENGINEERING

Luis Andrés Mariño  
Bodalla del Monte, Spain

Ketura A. Bates  
Huntsville, Alabama

Michael Robert Blunt  
Wentzville, Missouri

Chems Eddine Boudiaf  
Madrid, Spain

Ainhoa Muñiz Quintana  
Madrid, Spain  
cum laude

Fauzan Hakimi Hasanbasri  
Sleman, Indonesia

Michael W. He  
Chesterfield, Missouri

Keegan Patrick Hegger  
Saint Louis, Missouri

Stephen D. Hyndman  
Prospect Heights, Illinois

William Jared Jackson  
Saint Peters, Missouri

Caleb Kasten  
Saint Louis, Missouri  
cum laude

Marcus Charles Klupar  
Skagway, Alaska

Juanita Latorre Jaramillo  
Medellin, Colombia  
summa cum laude

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Ballwin, Missouri

Jeffrey Todd Lewis  
Saint Louis, Missouri

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magna cum laude

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Madrid, Spain

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Germantown, Tennessee  
summa cum laude

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West Bend, Wisconsin  
magna cum laude

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Saint Louis, Missouri  
summa cum laude

Ainhoa Muñiz Quintana  
Madrid, Spain  
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Beirut, Lebanon

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Mateo Salazar  
Chicago, Illinois

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Hampshire, Illinois  
magna cum laude

Shane Kevin Todd  
Centennial, Colorado

Daniel Victor Verdico  
Arlington Heights, Illinois  
summa cum laude

Benjamin J. Wielgos  
Plainfield, Illinois
Jackson P. Woodside-Miller
Union, Missouri
summa cum laude

Benjamin Louis Young
Metairie, Louisiana
cum laude

BIOCHEMISTRY
Christopher L. Friend
Riverside, Illinois
magna cum laude

Jonah Dawson Koch
Florissant, Missouri
University Honors Program
summa cum laude

Leah Y. Liu
Bakersfield, California
cum laude

Nicholas John Meyer
Des Plaines, Illinois
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Blake Recupido
Matteson, Illinois
University Honors Program
cum laude
Additional Major: English

Kathleen O’Malley Rosfelder
Avon, Ohio
summa cum laude

Avdo Sahbaz
Saint Louis, Missouri

Emily Rose Schroeder
Saint Charles, Missouri
magna cum laude

Joshua Steven Schultz
Lake Zurich, Illinois

Kirsten Elizabeth Sully
Loveland, Colorado
magna cum laude

Shirley Syed
Edwardsville, Illinois
University Honors Program
summa cum laude
Additional Major: Women’s & Gender Studies

Rouziet W. Warrad
O’Fallon, Missouri
magna cum laude

Louisia Yang
Saint Louis, Missouri

BIOMEDICAL ENGINEERING
Isaac Duane Beck
Mascoutah, Illinois
cum laude

Bridget Rose Boland
Saint Paul, Minnesota
cum laude

Tabitha A. Cacheris
Chesterfield, Missouri
cum laude

Angela C. Carey
Pocahontas, Illinois
cum laude

Gabriella Lydia Coronado
Colorado Springs, Colorado

Matthew James Draper
Omaha, Nebraska
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Garrett R. Ellebrecht
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Allison K. Faber
Mount Prospect, Illinois
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Mohit Singh Grewal
Saint Peters, Missouri

Ali Ayed Hamed
Saint Louis, Missouri
cum laude

Tyree Zyair Hicks
Landsdowne, Pennsylvania

Olivia Rae Johnson
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Sean Yubeen Kim
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University Honors Program
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Ahmed Mahmoud
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Eureka, Missouri
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magna cum laude

Danielle A. McTigue
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magna cum laude

Aakash Navaneeth Nagarapu
Hoffman Estates, Illinois
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Nicholas Anthony Navarrete
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Parul Nigam
Edwardsville, Illinois
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Nina Oforji
Chicago, Illinois

Madelyn F. Person
Morrow, Ohio
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Additional Major: Mathematics

Nathan Warden Platcher
Wildwood, Missouri
cum laude

Jeremy M. Roenker
Cincinnati, Ohio
summa cum laude
Natalie Marie Roush  
Waterloo, Illinois  
cum laude

Caroline Ann Smyth  
Cincinnati, Ohio

Ray Cedric Y. Solijon  
Kennett, Missouri

Connor Patrick Eikichi Tobo  
Highlands Ranch, Colorado  
magna cum laude

Olivia Grace Widdoes  
Sapulpa, Oklahoma  
cum laude  
Additional Major: Studio Art

Grace A. Yost  
Alton, Illinois  
cum laude

Anna R. Zurawski  
Mercer Island, Washington  
magna cum laude

CHEMICAL BIOLOGY AND PHARMACOLOGY

Varin Gupta  
Naperville, Illinois  
University Honors Program  
cum laude

Calista Rose Harvey  
Mokena, Illinois  
University Honors Program  
magna cum laude

Regan Marie Orr  
Greenbrier, Tennessee  
University Honors Program  
magna cum laude

Annabella Jaylyn Feili Robinson  
Harrisburg, Illinois  
magna cum laude

Andrew Raymond Schab  
Orland Park, Illinois  
magna cum laude

CHEMISTRY

Rhea Nichole Caldwell  
Swansea, Illinois

Sarah M. Erickson  
Chicago, Illinois  
magna cum laude  
Additional Majors: Classical Humanities and Greek & Latin Language & Literature

Joseph Gerard Feder  
Ballwin, Missouri  
magna cum laude  
Additional Majors: Economics and Mathematics

Briana Patrice Gregory  
Saint Louis, Missouri

Molly Melzer  
O'Fallon, Illinois  
cum laude

Emma R. Mize  
Saint Charles, Missouri  
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magna cum laude

Tenzin Woser Norkhang  
Skokie, Illinois

Mitchell Christopher VanderCar  
Decatur, Illinois  
cum laude

CIVIL ENGINEERING

Shenouda Adel Kamal Gadalla Rezk  
Cairo, Egypt

Amelie M. Buchard  
Portland, Oregon  
magna cum laude

Cooper Robert Chiburis  
Saint Louis, Missouri

Urja Aakash Gajera  
Springfield, Illinois  
magna cum laude

Jessica Melissa Garcia  
Saint Louis, Missouri

Kateri Marie Heithaus  
Florissant, Missouri  
cum laude

Brandon T. Hoff  
Sussex, Wisconsin  
cum laude

Kelsey Walters Hoover  
Fort Thomas, Kentucky

Donovan Bernard Jones  
West Chester, Ohio

Adrian Martin Ramirez  
Madrid, Spain

Kayden T. McCullough  
Papillion, Nebraska  
cum laude

Nguyen Duong Minh Nguyen  
Saint Louis, Missouri  
magna cum laude

Salim M. Nur  
Chicago, Illinois

Bonnie Elizabeth Peccola  
Saint Louis, Missouri  
magna cum laude

Ryan Francis Peters  
Kirkwood, Missouri

Jacob Louis Reznikov  
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Homewood, Illinois  
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COMPANION ENGINEERING

Adelia A. Grapperhaus  
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Shakhboz B. Hasanov  
Saint Peters, Missouri

Abhinav Kumar  
New Delhi, India  
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Jithin Martin  
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THE GRADUATES

Brian M. Murphy
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Rashid F. Ormani
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Lindsey Marie Postula
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Arthur Jacek Sosin
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Eric Michael Suter
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cum laude

Certificate: Geographic Information Systems

COMPUTER SCIENCE

Andrew Kent Berry
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Logan J. Blaesing
Mount Sterling, Illinois

cum laude

Tyler M. Bush
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John T. Coffman
Belleville, Illinois

Cori Nicole Diaz
Wildwood, Missouri

cum laude

Traison James Diedrich
Johnsburg, Illinois

Sean Rohen Gerty
University City, Missouri

cum laude

Josiah Glyshaw
Saint Louis, Missouri

summa cum laude

Anthony Dewayne Hampton
Hazelwood, Missouri

Andrew Kenneth Hediger
Ballwin, Missouri

cum laude

Austin James Howard
Champaign, Illinois

magna cum laude

Boran Li
Saint Louis, Missouri

Sinuo Liu
New Town, Hong Kong

Daniel Xiafeng Mao
Madrid, Spain

magna cum laude

Thomas Xavier McGuigan
Madison, Wisconsin

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Tyler Mark McMahon
Waukesha, Wisconsin

cum laude

Anh H. Nguyen
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magna cum laude

Additional Major: Mathematics

Bridget O’Reilly
Saint Peters, Missouri

Shlok P. Patel
Naperville, Illinois

Andrew William Sadler
Wildwood, Missouri

Vishnu Sivaprasad
O’Fallon, Missouri

cum laude

Mark Skroba
Chesterfield, Missouri

Taylor Elizabeth Streff
Libertyville, Illinois

summa cum laude

Thang Vay
Saint Louis, Missouri

magna cum laude

Colleen Therese Wade
Darien, Illinois

cum laude

Jacob Wahle
Saint Louis, Missouri

summa cum laude

Logan Matthew Wyas
Saint Louis, Missouri

magna cum laude

ELECTRICAL ENGINEERING

Ryan M. Andersen
Lake Oswego, Oregon

Bioelectronics

summa cum laude

Yiming Dong
Chengdu, Sichuan, China

Rowan Hutchence Elwart
Brookfield, Illinois

Andrew Kotz
Woodbury, Minnesota

Bioelectronics

summa cum laude

Emily K. Nunn
Evansville, Indiana

Abigail Paredes
Saint Louis, Missouri

Bioelectronics

summa cum laude

ENGINEERING PHYSICS

Jesed Guzman Diaz
New York City, New York

Aerospace Engineering

Sheridan M. Grant
Oak Park, Illinois

Mechanical Engineering

Kade Macartan Johnson
Johnston, Iowa

cum laude

Marcus Lespasio
Norfolk, Massachusetts

University Honors Program

summa cum laude

Additional Major: Mathematics

ENVIRONMENTAL SCIENCE

Fiona E. Becker
Saint Louis, Missouri

Biology

magna cum laude

Additional Major: Biology
Cormac Paul Brennan
Franklin, Tennessee
Chemistry
University Honors Program
magna cum laude

Ethan James Brewer
Waukesha, Wisconsin
Geoscience
Certificate: Geographic Information Systems

Amy E. Cook
Jefferson City, Missouri
Biology
magna cum laude

Riley Jane LeBombard Demo
Lenexa, Kansas
Biology
University Honors Program
magna cum laude

Connor Matthew Eschmann
Saint Louis, Missouri
Geoscience
summa cum laude
Certificate: Geographic Information Systems

Bryce Lackland
Saint Louis, Missouri
Atmosphere
Additional Major: Environmental Studies

Tyler Repa
Fenton, Missouri
Geoscience

Elizabeth Rose Schwartz
Cincinnati, Ohio
Biology
Additional Major: Political Science

Jack Dalton Sciarratta
Hawk Point, Missouri
Geoscience

Brigid Winnifred Tunney
Tinley Park, Illinois
Biology
magna cum laude

ENVIRONMENTAL STUDIES
Krystan Rose-lynn Gollwitzer
Saint Louis, Missouri
cum laude
Certificate: Geographic Information Systems

Bianca Jane Haffner
Farmington, Missouri

Kiyan K. Haider
Saint Louis, Missouri

Rachel Mariel Mayhall
Saint Louis, Missouri
Society & the Environment
cum laude
Certificate: Geographic Information Systems

Zachary Thomas Mueller
Saint Louis, Missouri
Certificate: Geographic Information Systems

MECHANICAL ENGINEERING
Hannah Bessmer
Cuyahoga Falls, Ohio
magna cum laude

Ryan Allen Bjerke
Dunstable, Massachusetts

Charles E. Carroll
Madison, Wisconsin

Alexander Ethan Christian
Saint Louis, Missouri
summa cum laude

Reid Kersten Chunn
Saint Louis, Missouri

Grace Anne Coleman
Des Moines, Iowa
cum laude

Anthony Edward De Luca
Foothill Ranch, California

Madeline Grace DeClue
Festus, Missouri

Hayden F. Eckstein
Saint Louis, Missouri
cum laude

Eliott Ekindi
Villennes-sur-Seine, France

Ryan Michael Evans
Chicago, Illinois
magna cum laude

Michaela C. Godlewski
San Clemente, California
cum laude

Elliott E. Guereca
Chicago, Illinois

Jaclyn Alyse Heigert
Mackinaw, Illinois

Mary Emma Kallianis
Chicago, Illinois
cum laude

Joe Kannath
Prospect Heights, Illinois

Vassiliki Karamouzi
Thessaloniki, Greece

Michael Edward Kenney
Woodbury, Minnesota
summa cum laude

Natalie S. Lassak
Lemont, Illinois
summa cum laude

Silvia Maria Lockhart
Lake Saint Louis, Missouri

Payton Amanda Loftis
Muskego, Wisconsin
magna cum laude

Sean Connell Magnuson
Springfield, Virginia
cum laude

Max Connery Matura
Burr Ridge, Illinois

Joseph Lawrence Preboy
Plano, Texas
Joshua Luis Quezada  
Huntley, Illinois

John Michael Ross  
Chicago, Illinois
magna cum laude

Shaun J. Samuel  
Waukegan, Illinois
cum laude

Sally Jee Hyun Shim  
Cerritos, California

cum laude

Humza Amir Siddiqui  
Ballwin, Missouri

Jeremy R. Thronson  
Cedar Rapids, Iowa
University Honors Program
magna cum laude

Zachariah Tiberghien  
Saint Louis, Missouri
magna cum laude

Antoine Edward Traboulsi  
Beirut, Lebanon
magna cum laude

Dylan DeWayne Turner  
Irondale, Missouri

Henry Michael Vance  
Dallas, Texas
cum laude

Stephen Andrew Wilson  
Saint Louis, Missouri
cum laude

Tyler T. Winkelmann  
Palos Heights, Illinois
magna cum laude

THE GRADUATES

METEOROLOGY

Elizabeth M. Bannon  
Naperville, Illinois

Garrett Brodie Hamilton  
Woodstock, Georgia

Samuel J. Hernandez  
Cibolo, Texas
summa cum laude

Joshua Luis Quezada  
Huntley, Illinois

John Michael Ross  
Chicago, Illinois
magna cum laude

Shaun J. Samuel  
Waukegan, Illinois
cum laude

Sally Jee Hyun Shim  
Cerritos, California

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magna cum laude

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magna cum laude

Shaun J. Samuel  
Waukegan, Illinois
cum laude

Sally Jee Hyun Shim  
Cerritos, California

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Cedar Rapids, Iowa
University Honors Program
magna cum laude

Zachariah Tiberghien  
Saint Louis, Missouri
magna cum laude

Antoine Edward Traboulsi  
Beirut, Lebanon
magna cum laude

Dylan DeWayne Turner  
Irondale, Missouri

Henry Michael Vance  
Dallas, Texas
cum laude

Stephen Andrew Wilson  
Saint Louis, Missouri
cum laude

Tyler T. Winkelmann  
Palos Heights, Illinois
magna cum laude

THE GRADUATES

PHYSICS

Bashar Aziz  
Gloucester, Ontario, Canada
summa cum laude
Additional Major: Biochemistry

Abigail Sohm  
Plymouth, Minnesota
cum laude

Harishaan Suthan  
Edwardsville, Illinois
cum laude

MASTER OF SCIENCE

ARTIFICIAL INTELLIGENCE

Mohsen Aghazade Eedloo  
Saint Louis, Missouri

Omar Al Akkad  
Damascus, Syria
Thesis Title: Membership Inference Attacks on Time Series Data

Rajesh Bheemanaboyena  
Guntur, India

Satish Kumar Deverapalli  
Chintalapudi, India

Troy E. Hofstrand  
Springfield, Illinois

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Saint Louis, Missouri

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Grover, Missouri

Greih Murray  
Jefferson City, Missouri

Mahdi Rahbar  
Tehran, Iran

Akshay Reddy  
Pune, India

Peter Geoffrey Rhodes  
Chapin, South Carolina

Varun Venkatesh  
Bengaluru, India

MASTER OF SCIENCE

BIOINFORMATICS & COMPUTATIONAL BIOLOGY

Ashley Michelle Hahn  
Saint Louis, Missouri

Ethan Kao  
Taipei City, Taiwan

Timothy Do Kosfeld  
Saint Louis, Missouri

Samuel Timothy Peters  
Collinsville, Illinois

Helen M. Richards  
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Bharathi Vallabhaneni  
India

MASTER OF ARTS

CHEMISTRY

Daniel S. Gibson  
University City, Missouri

MASTER OF SCIENCE

CHEMISTRY

Grant Warner Cone  
Blue Springs, Missouri

Madeleine Paige Stockell  
Eureka, Missouri

MASTER OF SCIENCE

CHEMICAL BIOLOGY

Mitsate Beyero  
Indian Trail, North Carolina

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Grafton, Wisconsin
Thesis Title: Evaluating Effects of Ribonuclease H Inhibitors on Hepatitis B Virus and its Polymerase Protein
Thesis Title: A Transfer Learning Approach to Network Traffic Classification

Nichapha Manoonwong
Bangkok, Thailand

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Thesis Title: Edge Computing for Responsive Multi-user Virtual Reality Applications

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Thesis Title: Investigation on website fingerprinting attacks on Oblivious DNS over HTTPS protocol

Pankil Nimeshbhai Shah
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Thesis Title: A Transfer Learning Approach to Network Traffic Classification

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Thesis Title: Investigation on website fingerprinting attacks on Oblivious DNS over HTTPS protocol

Pankil Nimeshbhai Shah
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THE GRADUATES

Rongxiang Zhang
Mianyang, China

**MASTER OF SCIENCE**

Joshua Adams
Fairfield, Iowa
BIOMEDICAL ENGINEERING
Thesis Title: Additive manufacturing techniques and methodologies for vibrotactile wearable devices

Hana Baban
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CIVIL ENGINEERING
Thesis Title: Measuring Full-Field Three-Dimensional Strains in Fiberglass Reinforced Polymer (FRP)

Harrison Jose Bartolomei
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AEROSPACE AND MECHANICAL ENGINEERING
Thesis Title: Modeling and Finite Element Simulation of Thermoelectric Materials and Plasticity

Zakaria Bouzekria
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AEROSPACE AND MECHANICAL ENGINEERING

Stephen Brown
Phoenix, Arizona
ELECTRICAL AND COMPUTER ENGINEERING

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AEROSPACE & MECHANICAL ENGINEERING
Thesis Title: Determination of the Location, Size and Geometry of a Multi-rotor UAV from Two Video Streams

Micah Hayden Reeve DuBach
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Thesis Title: Development of Testbed Procedures for Aerodynamic Model Measurements in the Parks College Low Speed Wind Tunnel

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Thesis Title: Aircraft’s Vertical Stabilizer drag force reduction

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CIVIL ENGINEERING

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Thesis Title: Cell Growth on Single-Walled Carbon Nanotube/Zinc Oxide Nanowire Heterostructures

Deanna Meyer
Saint Louis, Missouri
CIVIL ENGINEERING
Thesis Title: Reservoir Capacity Loss Estimation using the USACE RSI Dataset and Machine Learning Techniques

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CIVIL ENGINEERING

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Thesis Title: Glioblastoma Spheroid Invasion and Motility in Dual - Stiffness Polyethylene Glycol Hydrogels

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Thesis Title: Integrated Computational Designs and Instrumental Characterization for Pneumatic Head Rest and Variable Stiffness ankle Foot Orthosis

Patrick Sullivan
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Henry Thomas Wright  
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Thesis Title: Online Parameter Estimation of an Agile Unmanned Aerial Vehicle

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CIVIL ENGINEERING

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Dual Degree: Master of Science in Artificial Intelligence

Matthew Ryan Arndt  
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Thesis Title: Estimating Spillover Effects of Baseball Games on the Local Economy using Mobility Data and Machine Learning

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Rock Island, Illinois

MASTER OF SCIENCE  
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Cara M. Baez  
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GEOPHYSICS  
Thesis Title: Crustal structure underneath the northern Colombian volcanic segment by receiver function analysis

MASTER OF SCIENCE  
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Joseph George Gutierrez  
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Haris Alam Lodhi  
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Julian Ramirez Gonzalez  
Bogota, Colombia

Faizan Ahmed Hashmi Syed  
Hyderabad, Pakistan

Zeqing Zhu  
Changchun, China

MASTER OF SCIENCE  
URBAN PLANNING AND DEVELOPMENT

Kyle Bayer  
Saint Louis, Missouri

Jasmine Cannon  
Saint Louis, Missouri

Grace Hartman  
Saint Louis, Missouri

DOCTOR OF PHILOSOPHY  
AVIATION

Steven Brinly  
Lynchburg, Virginia  
Dissertation Title: Cognitive Ability and Motivation as Predictors of Collegiate Private Pilot Flight Training Completion

Nurettin Dinler  
Saint Louis, Missouri

Kelly J. Dunn  
House Springs, Missouri  
Dissertation Title: Meaningfulness as a Moderator for Posttraumatic Stress Symptoms Following Critical Incident Exposure in Coast Guard Aviators

Richard A Hellings II  
Longview, Texas  
Dissertation Title: The Effect of a Safety Incentive Program on Perceptions of Safety Culture

Robert Louis Hudson  
Palmetto, Florida  
Dissertation Title: Exploring Student Pilot Perceptions about their Experiences Using Mental Imagery Chair Flying Strategies During their Collegiate Private Pilot Flight Training Program

Timothy D. Ropp  
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Dissertation Title: Assessing Resilience Competencies in Collegiate Aviation and Aerospace Students

Daniel Heng Siao  
Nashville, Tennessee  
Dissertation Title: Exploring Collegiate Flight and Maintenance Training Students’ Perceptions of Safety Culture

David E. Spector  
Colorado Springs, Colorado  
Dissertation Title: Pilots’ Likelihood to Report Sleep Disorder(s) in Part 121 Commercial Aviation Operations
<table>
<thead>
<tr>
<th>DOCTOR OF PHILOSOPHY</th>
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<td>CHEMISTRY</td>
<td>ENGINEERING</td>
<td>GEOINFORMATICS AND GEOSPATIAL ANALYTICS</td>
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<tr>
<td>Seth Allen Applegate</td>
<td>Prathamesh Vishnudas Bhagvath</td>
<td>Sourav Bhadra</td>
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<td>Saint Louis, Missouri</td>
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<td>Scott Francis Grady</td>
<td>BIOMEDICAL ENGINEERING</td>
<td>Dissertation Title: Informed AI for Food Insecurity: Applications of Remote Sensing, Computer Vision and Transfer Learning for Digital Agricultural Monitoring</td>
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<td>Newburgh, Indiana</td>
<td>Dissertation Title: Procedure Automation in Image-guided Robotic Spine Surgery</td>
<td>Kamila Dilimulati</td>
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<td>Mohammad Salauddin Kader</td>
<td>Dellbrook, Ohio</td>
<td>Gulja</td>
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<td>Chittagong, Bangladesh</td>
<td>BIOMEDICAL ENGINEERING</td>
<td>Dissertation Title: GEOAI for Crop Seed Composition and Yield Estimation from Standing Crops: A Multiscale Remote Sensing Analysis</td>
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<tr>
<td>Edmund Oboh</td>
<td>Dissertation Title: The progression of a tissue engineered scaffold for use in bone regeneration; from acellular cryogel to preconditioned osteoblasts on electrospun scaffolds</td>
<td>Travis Scarpone</td>
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<tr>
<td>Kumasi, Ghana</td>
<td>Samuel Tyler Stealey</td>
<td>Green Bay, Wisconsin</td>
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<tr>
<td>Dissertation Title: Optimization of Triazolopyridazines and PI4K Inhibitors as a Potential Treatment for Cryptosporidiosis</td>
<td>Saint Louis, Missouri</td>
<td>Dissertatie Title: Sensitivity of Tornado Genesis to Changes in 0-500-m Wind Shear in High-Resolution Simulations</td>
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<tr>
<td>Tanner Joseph Schubert</td>
<td>Eileen Margaret Robertson</td>
<td>Canh Dinh Nguyen</td>
</tr>
<tr>
<td>Granite City, Illinois</td>
<td>Bellbrook, Ohio</td>
<td>Warrensburg, Missouri</td>
</tr>
<tr>
<td>Dissertation Title: Synthesis of novel compounds for efficacy against Cryptosporidium, Molecular Modelling to Describe Complex Structure Activity Relationships of Fluorine, and Photoaffinity Labelling Studies for Target Elucidation in Cryptosporidium</td>
<td>Dissertation Title: Using Microwave Resonators to Study Dielectric Loss, Materials for Quantum Information, 2D Van Der Waals Materials, and Nanomaterials</td>
<td>Dissertatie Title: Early detection of plant disease using UAV and GeoAI for improved food security</td>
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<tr>
<td>Samuel Nathan Snyder</td>
<td>Samuel Tyler Stealey</td>
<td>Jorge Luis Ocampo Espindola</td>
</tr>
<tr>
<td>Maryville, Missouri</td>
<td>Saint Louis, Missouri</td>
<td>Amacuzac, Mexico</td>
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<td>Dissertation Title: Characterization of the Interplay Between Active Site Structure and Enzymatic Activity of MhuD and CYP121 Proteins from Mycobacterium tuberculosis</td>
<td>BIOMEDICAL ENGINEERING</td>
<td>CHEMISTRY</td>
</tr>
<tr>
<td>Maryam Zangi</td>
<td>Dissertation Title: Development of Nanocomposite Hydrogel and Microgel Drug Delivery Devices</td>
<td>Michelle Anne Elmore</td>
</tr>
<tr>
<td>Tehran, Iran</td>
<td></td>
<td>Saint Louis, Missouri</td>
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<td></td>
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<td>Dissertatie Title: Sensitivity of Tornado Genesis to Changes in 0-500-m Wind Shear in High-Resolution Simulations</td>
</tr>
</tbody>
</table>

Graduation honors for candidates appearing in this book are calculated based on the Grade Point Average at the end of the Fall semester.

University honors will be officially calculated when final grades have been submitted and the degrees are conferred.

This program is not an official document.
**HONORS AND AWARDS**

**ALPHA SIGMA NU**
Christian Robert Henkel
Tim Do Kosfeld
Bonnie Elizabeth Peccola
Eileen Robertson
Tanner J. Schubert

**GRAND CHALLENGES SCHOLAR**
Harrison Wooters

**EUGENE F. KRANZ AWARD IN ENGINEERING**
Aakash Nagarapu

**OLIVER L. PARKS AWARD IN AVIATION**
Christopher Moll

**EDWARD A. DOISY AWARD IN SCIENCE**
Emma Mize

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**THE WINGS TRADITION**

The “Wings Ceremony” gets its name from the tradition in aviation of awarding a pin in the shape of a bird’s wings to those who master the skill of flying. Dating back to 1927, students who graduated from Parks College, and now from the School of Science and Engineering, are awarded a wings pin upon completion of their studies. The wings pin has come to represent academic success in all fields of study at the college. It stands as a symbol of the freedom to pursue one’s dreams and serves as a reminder to return home and share one’s successes with all.