PARKS COLLEGE OF ENGINEERING, AVIATION AND TECHNOLOGY
PRECOMMENCEMENT
MAY 22
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.
WELCOME
Scott Duellman, Ph.D., Interim Dean

PRESENTATION OF COLORS
Parks Guard Rifle Drill Team

NATIONAL ANTHEM

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

DEAN’S REMARKS
Scott Duellman, Ph.D., Interim Dean

THE ADDRESS
Silviya Petrova Zustiak, Ph.D.
Associate Professor, Parks College of Engineering, Aviation and Technology

Presentation of the Graduates

Awards

OLIVER L. PARKS AWARD
GRAND CHALLENGES SCHOLAR
SENIOR DESIGN AWARDS
OUTSTANDING GRADUATE FACULTY AWARD
OUTSTANDING GRADUATE STUDENT AWARD

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

RECESSIONAL
BACHELOR OF SCIENCE

Khaled Farouq Abusaid
Saint Louis, Missouri
Flight Science

Mohammed Ibrahim A. Alasiri
Riyadh, Saudi Arabia
Aviation Management

Abdulrahman Abdullah Alraqibah
Buraydah, Qassim, Saudi Arabia
Aviation Management

cum laude

Peter Robert Amato III
Swampscott, Massachusetts
Flight Science

cum laude

Michael Johnathon Bailey
Bloomington, Illinois
Flight Science

Nathaniel Pitt Benoit
Chester, New Jersey
Flight Science

Hunter M. Blake
Saint Louis, Missouri
Aviation Management

magna cum laude

Mateo Catano
Boston, Massachusetts
Aviation Management

cum laude

Andrew Christopher Chema
Wentzville, Missouri
Aviation Management

James Nicholas Clemmons
Fayetteville, North Carolina
Aviation Management

Alec Slade Day-Dedmon
Gastonia, North Carolina
Aviation Management

cum laude

Jordon William Douglas
Belleville, Illinois
Flight Science

Scott DuBois
Defiance, Missouri
Aviation Management

Conor Fitzgerald
Bellingham, Massachusetts
Flight Science

Joshua Matthew Florida
Florissant, Missouri
Flight Science

Blake Michael Freund
Saint Peters, Missouri
Flight Science

Jake William Garella
Edwardsville, Illinois
Flight Science

Richard Samuel Heath
Kansas City, Missouri
Aviation Management

Colton A. Jeffries
Worthville, Kentucky
Aviation Management

Kwangpil Phillip Jeong
Saint Peters, Missouri
Flight Science

magna cum laude

Tyler Alexander Johnson
Lake Saint Louis, Missouri
Flight Science

magna cum laude

Patrick Delano Jones
Louisville, Kentucky
Flight Science

magna cum laude

Hyungu Kim
Saint Louis, Missouri
Flight Science

magna cum laude

Ryan Patrick Laib
Cincinnati, Ohio
Flight Science

magna cum laude

Malik Giacomo Larcher
Innsbruck, Austria
Aviation Management

cum laude

Austin George Lu
Harvest, Alabama
Flight Science

cum laude

Matthew William McCoy
O’Fallon, Illinois
Aviation Management

Eric Charles McElroy
Dunkirk, Maryland
Aviation Management

Johanes Munua
Wamena, Indonesia
Flight Science

Justin Michael Pike
Saint Louis, Missouri
Flight Science

Daniel Robert Pimm
Arnold, Missouri
Aviation Management

Thomas Dean Reeves Jr.
Shiloh, Illinois
Aviation Management

summa cum laude
Jacob Lamar Renfroe  
Saint Louis, Missouri  
Flight Science  
summa cum laude

André Marcelo Santa Maria  
Bridgeton, Missouri  
Flight Science

Nicole Lynne Schneider  
Ballwin, Missouri  
Aviation Management

Abdulhadi Sindi  
Saint Louis, Missouri  
Aviation Management

Timothy Robert Wakefield  
Bedford, Pennsylvania  
Aviation Management  
magna cum laude

Bryan S. Weathers  
Saint Louis, Missouri  
Flight Science

Holly A. Wilson  
Arnold, Missouri  
Flight Science  
cum laude

Nathan Alexander Wilson  
Saint Louis, Missouri  
Flight Science

AEROSPACE ENGINEERING

Daniel Angkiat  
Jakarta, Indonesia  
magna cum laude

Minasse Yasin Bakri  
Chicago, Illinois

Harrison José Bartolomei  
Greenfield, Wisconsin

Garrett Edward Britt  
Loveland, Colorado

Caleb Monte Neal Burlison  
Fenton, Missouri  
cum laude

Samantha Jane Carlowicz  
Cape Cod, Massachusetts  
University Honors Program  
magna cum laude

Klaus Damasceno  
Saint Louis, Missouri

Zhulien Valeriev Donchev  
Wheeling, Illinois

Joseph James Doyle  
Milwaukee, Wisconsin

Megan Christine Estrada  
Oak Forest, Illinois  
cum laude

Justin K. Fantroy  
Saint Louis, Missouri

David L. Ferrante  
Dayton, Ohio

Maximilian J. Friesen  
Saint Louis, Missouri

Kyle Zens Goldman  
Oak Park, Illinois  
cum laude

Jiajun Guo  
Beijing, China

Abby Marie Harris  
San Jose, California  
magna cum laude

Johnny Anto Hea  
Saint Louis, Missouri

Gideon Francis Hils  
Cleveland, Ohio  
University Honors Program  
magna cum laude

William Leete Hiser  
Longmeadow, Massachusetts  
magna cum laude

Charles Nicholas Hunsaker  
Glen Carbon, Illinois

Michael Tichey Kehoe  
Saint Paul, Minnesota

John Bernard Kloser  
Wauwatosa, Wisconsin  
University Honors Program  
summa cum laude

Grant Joseph Lehmkuhl  
Dearborn, Michigan

Francesco Antonio Moro  
Houston, Texas

Connor Landon Morris  
Reston, Virginia  
magna cum laude

Anthony Chukwuemeka Nwajei  
Springfield, Illinois

John M. Otten  
Menomonee Falls, Wisconsin  
summa cum laude

Damian A. Oven  
Oceanside, California

Roberto Alejandro Padilla  
West Covina, California

Cody E. Powers  
Smithton, Illinois  
University Honors Program  
magna cum laude

Kevin Michael Rohrkaste  
Saint Louis, Missouri  
magna cum laude

Haochen Rong  
Shanghai, China  
magna cum laude
Claire Marie Schuessler
Maryville, Illinois
*summa cum laude*

Jaimin A. Shah
Hoffman Estates, Illinois

Steven Robert Solloway
Naperville, Illinois
*magna cum laude*

Clayton Michael Staszewski
Hampshire, Illinois
*summa cum laude*

Maxim G. Strehle
Omaha, Nebraska

Celia Genevieve Taylor-Puckett
Lawrence, Kansas
University Honors Program
*magna cum laude*

Brian Wiltshire Thomas
Nashville, Tennessee
*summa cum laude*

William Elijah Tihen
Washington, Missouri

Cole Robert Esai Trost
Highland, Illinois

Jacob Waters
Valley Park, Missouri

Zainab Salman Alramadhan
Loma Linda, California

Emma Claire Anderson
Broomfield, Colorado
*summa cum laude*

Madeline M. Andres
Springfield, Illinois
University Honors Program
*summa cum laude*

Jeffrey Samual Au
Saint Louis, Missouri
*magna cum laude*

Nicoie Anna Bajerek
Riverside, Illinois
*cum laude*

Yosita Patricia Beamer
Toulon, Illinois

Jeremy Lee Bennick
Wentzville, Missouri

Caleb Michael Berberet
Springfield, Illinois

Jack Riley Bessey
Algonquin, Illinois

Savannah Jane Bogner
Bettendorf, Iowa
*cum laude*

Alyssa Marie Brown
Saint Charles, Illinois
*summa cum laude*

Evan Thomas Capelle
Highland, Illinois
*summa cum laude*

Katelyn Elizabeth Caviness
Thornton, Colorado
*summa cum laude*

Hannah Michelle Chauvin
Fenton, Missouri
*magna cum laude*

Jacqueline Marie Curry
Greenville, South Carolina
University Honors Program
*summa cum laude*

Ifeanyi Ogonna Ekpunobi
Port Harcourt, Nigeria
*summa cum laude*

Madisyn S. Feldman
Troy, Illinois

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Peoria, Illinois
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Lake Saint Louis, Missouri
*cum laude*

Katherine Marie Gesior
Downers Grove, Illinois
*summa cum laude*

Michaela Rose Giltner
Akron, Ohio
*magna cum laude*

Zachary M. Goliszewski
Westmont, Illinois

Sarah Grace Gould
Gallatin, Tennessee
*cum laude*

Stephanie Zamora Grant
Jefferson City, Missouri
*cum laude*

Mallory Michelle Grote
Omaha, Nebraska

Brendan Patrick Hennessy
Saint Louis, Missouri
*magna cum laude*

Annalise Kathryn Hilker
Edwardsville, Illinois
*cum laude*
Patrick Robert Horst  
Dayton, Ohio  

Lili Grace Wintz Hostetler  
Chesterfield, Missouri  

Samuel Joseph Hughes  
Arnold, Missouri  

cum laude  

Katie B. Huskey  
Poplar Bluff, Missouri  

Ryan Philip Jasper  
Todenville, Iowa  
magna cum laude  

Miranda Jane Kaleel  
Ballwin, Missouri  
magna cum laude  

Lauren Ashley Ketelhohn  
Cedarburg, Wisconsin  
cum laude  

Austin Mathias Krohn  
Dallas, Texas  
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Alton, Illinois  
cum laude  

Emma Marie Leoni  
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Additional Major: Computer Science  

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Allison Paoli  
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Katherine M. Zaber  
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CIVIL ENGINEERING  

Jabria Faisal Al Rashid  
Basrad, Iraq  

Alaina Marie Andert  
Saint Peters, Missouri  

James P. Coyne  
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Natalee Serene Davie  
Herrin, Illinois  

Jonathan Duffie  
Saint Louis, Missouri  
cum laude  

Mya Lashay Ford  
Saint Louis, Missouri  

Madeline Eileen Karlson  
La Grange, Illinois  
cum laude  

Evan Thomas Landewee  
Leopold, Missouri  
cum laude  

Jose Pablo Mattingly Hernandez  
Leon, Mexico  

Jose Emilio Mattingly Hernandez  
Leon, Mexico  

Madeline Elizabeth Mueller  
De Soto, Missouri  
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Mary Indira Rohatgi  
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COMPUTER ENGINEERING

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ELECTRICAL ENGINEERING

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Bioelectronics
magna cum laude

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Christian Jean L’Italien
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Christian James Edward Witte
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MECHANICAL ENGINEERING

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Andrew Christopher Behrens
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Jacob Steven Bullard
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Trever Kenneth Johnson
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Jeremiah Philip Kirsch
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summa cum laude
Christopher John McDonald  
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Zachary Robert Sarvis  
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Additional Major: Mathematics  
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Conor B. Treese  
Ballwin, Missouri  
cum laude

Karmen Marie Vega  
New Braunfels, Texas

Kameron Christian Wallace  
Belleville, Illinois

Michael Geoffrey Wilson  
Saint Louis, Missouri

Physics

Timothy Leon Mahood  
Saint Louis, Missouri  
magna cum laude

Derek Robert McCarty  
Bunker Hill, Illinois  
Additional Major: Mathematics  
cum laude

Keith Xavier McCormack  
Saint Louis, Missouri

Frank Gerhard Schroer IV  
Leawood, Kansas  
cum laude

MAJOR OF SCIENCE  
ENGINEERING

Nnaoma Onyedikachi Agwu  
Denver, Colorado  
Biomedical Engineering  
Thesis Title: Design and Validation of a Steerable Port Delivery Cannula System for Neurosurgical Procedures

Haneen Alfauri  
Saint Louis, Missouri  
Electrical and Computer Engineering  
Thesis Title: An Energy-Aware Consensus Protocol for Federated Learning

Thomas Alexander Ambro  
Kenosha, Wisconsin  
Aerospace and Mechanical Engineering  
Thesis Title: Integrating Computational Designs and Instrumental Characterization for a Variable Stiffness Ankle Foot Orthosis (AFO)

Gabriel Armani  
Saint Louis, Missouri  
Biomedical Engineering

Lavanya Aryan  
Edwardsville, Illinois  
Biomedical Engineering  
Thesis Title: Fabrication of Resorbable Radiopaque Poly (Ethylene Glycol) Microspheres Utilizing Microfluidics for the Chemoembolization of Prostate Cancer

Renuka Rajendra Bandekar  
Mumbai, Maharashtra, India  
Biomedical Engineering

Crystal Kay Bell  
Germantown, Wisconsin  
Civil Engineering

William Nash Benson, Jr.  
Memphis, Tennessee  
Aerospace and Mechanical Engineering  
Thesis Title: Design and Testing of Expressive Gesturing to Expand the Social Connection Capabilities of Telerobotic Platforms

Michael Borovik  
Saint Louis, Missouri  
Biomedical Engineering  
Thesis Title: Cost Effective Neurosurgical Navigation with a Passive Robot

Andrew E. Bryan  
Lima, Ohio  
Biomedical Engineering  
Thesis Title: Contributions of the Stride Leg towards Energy Generation and Conversion in Youth Baseball Pitchers

Yun-Tsz Chen  
Taiwan  
Aerospace and Mechanical Engineering

Triston Brandon Cooper  
Lincoln, Illinois  
Biomedical Engineering  
Thesis Title: Hockey for the Blind: An Analysis of Auditory Profiles and Their Implementation

Eric Davies  
Richardson, Texas  
Aerospace and Mechanical Engineering  
Thesis Title: Evaluation of Training on Neural Network Based Virtual Sensor Effectiveness in Estimation of Short Period Dynamics of a Fixed Wing UAS
<table>
<thead>
<tr>
<th>Name</th>
<th>City, Country</th>
<th>Field</th>
<th>Thesis Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alec Derks</td>
<td>Middleton, Wisconsin</td>
<td>Civil Engineering</td>
<td>Thesis Title: Will the Gravity Gradient Affect the Feasibility of Mars-Earth Rapid Interplanetary Tether Transport (Merit) System?</td>
</tr>
<tr>
<td>Ethan Erusha</td>
<td>Saint Louis, Missouri</td>
<td>Civil Engineering</td>
<td>Thesis Title: Mesenchymal Stem Cell Spheroids for Skeletal Muscle Regeneration Following Trauma</td>
</tr>
<tr>
<td>Benjamin T Frieden</td>
<td>Quincy, Illinois</td>
<td>Civil Engineering</td>
<td>Thesis Title: Optimizing Temporary Bracing Systems in Steel Bridges to Mitigate Rotation of Exterior Girders During Deck Construction</td>
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<tr>
<td>Akhil Gandhasiri</td>
<td>Warangal, Telangana, India</td>
<td>Electrical and Computer</td>
<td>Thesis Title: Mesenchymal Stem Cell Spheroids for Skeletal Muscle Regeneration Following Trauma</td>
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<tr>
<td>Peter C. Genovese</td>
<td>Saint Louis, Missouri</td>
<td>Biomedical Engineering</td>
<td>Thesis Title: Examining Optimal Constraint-Based Mission Assurance Practices through a Taxonomical Lens</td>
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<tr>
<td>Brandon T. Gillis</td>
<td>Saint Louis, Missouri</td>
<td>Civil Engineering</td>
<td>Thesis Title: Optimizing Temporary Bracing Systems in Steel Bridges to Mitigate Rotation of Exterior Girders During Deck Construction</td>
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<td>Jeffrey Joseph Kelley</td>
<td>Prairieville, Louisiana</td>
<td>Aerospace and Mechanical</td>
<td>Thesis Title: Examining Optimal Constraint-Based Mission Assurance Practices through a Taxonomical Lens</td>
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<td>Gabrielle Aimee Marie Lawson</td>
<td>Tulsa, Oklahoma</td>
<td>Biomedical Engineering</td>
<td>Thesis Title: Mesenchymal Stem Cell Spheroids for Skeletal Muscle Regeneration Following Trauma</td>
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<tr>
<td>Kyle R Masek</td>
<td>Maryland Heights, Missouri</td>
<td>Aerospace and Mechanical</td>
<td>Thesis Title: Will the Gravity Gradient Affect the Feasibility of Mars-Earth Rapid Interplanetary Tether Transport (Merit) System?</td>
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<tr>
<td>Faten Ali Mohammed</td>
<td>Baghdad, Iraq</td>
<td>Electrical and Computer</td>
<td>Thesis Title: Measuring Full Field Two-Dimensional Strains in Fiberglass Reinforced Polymer (FRP)</td>
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<tr>
<td>Kelsey Zahira Musa</td>
<td>Belize City, Belize</td>
<td>Civil Engineering</td>
<td>Thesis Title: Measuring Full Field Two-Dimensional Strains in Fiberglass Reinforced Polymer (FRP)</td>
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<tr>
<td>Matthew Patrick O’Brien</td>
<td>Saint Louis, Missouri</td>
<td>Biomedical Engineering</td>
<td>Thesis Title: Measuring Full Field Two-Dimensional Strains in Fiberglass Reinforced Polymer (FRP)</td>
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<tr>
<td>Chionye Joseph Okwuashi</td>
<td>Onicha-Ugbo, Nigeria</td>
<td>Aerospace and Mechanical</td>
<td>Thesis Title: Molecular Dynamics Simulation on Nanoindentation and Nanoscratch of Silicon Wafer</td>
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<tr>
<td>Adam Robert Pearce</td>
<td>Oregon City, Oregon</td>
<td>Aerospace and Mechanical</td>
<td>Thesis Title: Simulation of Fluid Flow during Small Satellite Entry</td>
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<tr>
<td>Rassam M. Rassam</td>
<td>Baghdad, Iraq</td>
<td>Biomedical Engineering</td>
<td>Thesis Title: Simulation of Fluid Flow during Small Satellite Entry</td>
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<tr>
<td>Roberto E. Reynolds Palau</td>
<td>San Juan, Puerto Rico</td>
<td>Civil Engineering</td>
<td>Thesis Title: Properties and Behavior of Rubberized Self Consolidating Grout (SCG) as Shear Infill in Concrete Masonry Units (CMU)</td>
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<tr>
<td>Anthony Robert Rizzuti</td>
<td>Saint Louis, Missouri</td>
<td>Aerospace and Mechanical</td>
<td>Thesis Title: Controlled Production of Quality SWCNT/ZnO and Graphene/ZnO Heterostructures; Synthesis, Characterization, and Future Applications</td>
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<tr>
<td>Taulant Rudi</td>
<td>Albania</td>
<td>Civil Engineering</td>
<td>Thesis Title: Controlled Production of Quality SWCNT/ZnO and Graphene/ZnO Heterostructures; Synthesis, Characterization, and Future Applications</td>
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<tr>
<td>Oğuzhan Sarıgün</td>
<td>Ankara, Turkey</td>
<td>Civil Engineering</td>
<td>Thesis Title: Controlled Production of Quality SWCNT/ZnO and Graphene/ZnO Heterostructures; Synthesis, Characterization, and Future Applications</td>
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<tr>
<td>Nicholas J. Schaper</td>
<td>Rice, Minnesota</td>
<td>Engineering Physics</td>
<td>Thesis Title: Controlled Production of Quality SWCNT/ZnO and Graphene/ZnO Heterostructures; Synthesis, Characterization, and Future Applications</td>
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<td>Keaton Schieffer</td>
<td>Leawood, Kansas</td>
<td>Civil Engineering</td>
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<tr>
<td>Charles David Sheehan</td>
<td>Eden Prairie, Minnesota</td>
<td>Civil Engineering</td>
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<tr>
<td>Monica Ann Shuler</td>
<td>Columbia, Illinois</td>
<td>Civil Engineering</td>
<td>Thesis Title: Controlled Production of Quality SWCNT/ZnO and Graphene/ZnO Heterostructures; Synthesis, Characterization, and Future Applications</td>
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<tr>
<td>Nicholas Sokolis</td>
<td>Waconia, Minnesota</td>
<td>Civil Engineering</td>
<td>Thesis Title: Controlled Production of Quality SWCNT/ZnO and Graphene/ZnO Heterostructures; Synthesis, Characterization, and Future Applications</td>
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<tr>
<td>Sohaan Swaminathan</td>
<td>Saint Louis, Missouri</td>
<td>Biomedical Engineering</td>
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<tr>
<td>Charles T. Thomas</td>
<td>Saint Louis, Missouri</td>
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<tr>
<td>Monica A. Teshome</td>
<td>Saint Louis, Missouri</td>
<td>Biomedical Engineering</td>
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<tr>
<td>Ronnie A. Turner</td>
<td>Saint Louis, Missouri</td>
<td>Biomedical Engineering</td>
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<tr>
<td>Joseph A. Vasquez</td>
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<td>Hyderabad, Pakistan Electrical and Computer Engineering</td>
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<td>Arbaaz Syed</td>
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<td>Brian Thomas</td>
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<td>Andrew Wagner</td>
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<td>Constance Kasmira Wall</td>
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<td>Margaret E. Zuercher</td>
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<td>Abdul Ateiza Alliu</td>
<td>DOCTOR OF PHILOSOPHY AVIATION</td>
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<td>Dissertation Title: <em>Power-Distance in the Cockpit: A Study of the Effect of Age and Seniority on the Communication Aspect of Crew Resource Management Among Nigerian Pilots</em></td>
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<td>Donald Eugene Lyle</td>
<td>DOCTOR OF PHILOSOPHY AVIATION</td>
<td>Arlington, Texas</td>
<td>Dissertation Title: <em>The Effect of Air Traffic Control Intervention on Reported Altitude Deviations During Optimized Profile Descent Arrival Procedures</em></td>
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<tr>
<td>John Handel Kennedy</td>
<td>DOCTOR OF PHILOSOPHY ENGINEERING</td>
<td>Coimbatore, Tamil Nadu, India Aerospace and Mechanical Engineering</td>
<td>Dissertation Title: <em>Hydrodynamics of Rorquals</em></td>
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<td>Jen Tennison</td>
<td>DOCTOR OF PHILOSOPHY ENGINEERING</td>
<td>Swansea, Illinois Aerospace and Mechanical Engineering</td>
<td>Dissertation Title: <em>Haptics as a Facilitator for Digital, Accessible, Educational Visual Experiences</em></td>
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<td>Houston Robert Linder</td>
<td>DOCTOR OF PHILOSOPHY ENGINEERING</td>
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<td>Dissertation Title: <em>The Development of a Synthetic Electrospun Scaffold for Improving the Regeneration of Critical Size Bone Defects</em></td>
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<td>Sana Syed</td>
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<td>Saint Louis, Missouri Biomedical Engineering</td>
<td>Dissertation Title: <em>Visualization of Quantitative and Qualitative Categorical Data in Engineering</em></td>
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<td>Anthony Vicini</td>
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<td>Dissertation Title: <em>Use of Ultrasound Coupled Motion Capture Markers to Determine Scapular Position</em></td>
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<td>Osama Ali Mohammed</td>
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<td>Saint Louis, Missouri Civil Engineering</td>
<td>Dissertation Title: <em>Machine Learning Approach to Proactive Crash Management at Freeway Systems for Smart Cities</em></td>
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<td>Mohammad Mahfuzur Rahman</td>
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<td>Dhaka, Bangladesh Civil Engineering</td>
<td>Dissertation Title: <em>Investigation of Bridge Deck Shrinkage Cracking Using Expansive Cement and Internal Curing</em></td>
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**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
Haneen Alfauri
Madeline M. Andres
Caleb Monte Neal Burlison
Patrick Francis Eustace
Michael Robert Geer
Michaela Rose Giltner
Sarah Grace Gould
Abby Marie Harris
Helen Marie Richards
GRAND CHALLENGES SCHOLAR
Margaret Elizabeth Richard
TAU BETA PI
Fatima Al-Hanoosh
Susan AlBarcha
Emma Claire Anderson
Madeline M. Andres
Daniel Angkiat
Jeffrey Samuel Au
Alyssa Marie Brown
Jacob Steven Bullard
Samantha Jane Carlowicz
Katelyn Elizabeth Caviness
Hannah Michelle Chauvin
Ifeanyi Ogonna Ekpunobi
Patrick Francis Eustace
Michaela Rose Giltner
Riley Edmund Horton
Miranda Jane Kaleel
Jan Emily Santos Mangulabnan
Madeline Elizabeth Mueller
Damian A. Oven
Haochen Rong
Claire Marie Schuessler
Joseph Andrew Seib
Alexander James Sepe
Nicole Lynn St. Clair
Clayton Michael Staszewski
Brian Wiltshire Thomas
OLIVER L. PARKS
Emma Claire Anderson
OUTSTANDING GRADUATE FACULTY
Flavio Esposito, Ph.D.
OUTSTANDING GRADUATE STUDENTS
Haneen Alfauri
Susheera Sesha Pochiraju

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, Parks College students have been 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.