5-28-2016

2016 Rose-Hulman Institute of Technology : One-Hundred and Thirty-Eighth Commencement

Rose-Hulman

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2016 COMMENCEMENT PROGRAM

Prelude ....................................................... White Chapel Brass

Academic Procession ...................................... Erik Z. Hayes, BS, MS
Marshal, Vice President for Student Affairs, and Dean of Students

Introduction ............................................... Arthur B. Western, BS, MS, PhD
Professor Emeritus of Physics and Optical Engineering

Processional ............................................... The Rose-Hulman Joint Service ROTC Color Guard and
the Indianapolis Firefighters Emerald Society Bagpipers

National Anthem .......................................... Rose-Hulman Performing Arts Ensemble

Invocation ................................................... Alexander Z. Thomas
Past President, Student Government Association

Welcome ..................................................... James C. Conwell, BS, MS, PhD, PE
President

Comments from Senior Class ............................. Kevin J. Trizna
President, Senior Class

Awarding of Heminway Medal ............................ Richard E. Stamper, BS, MS, PhD, PE
Interim Vice President for Academic Affairs and
Professor of Mechanical Engineering and Engineering Management

John T. Royse Award ..................................... Erik Z. Hayes

Herman A. Moench Distinguished Senior Commendation ....... Richard P. Ditton, BS, MS, PhD
Professor of Physics and Optical Engineering

Outstanding Graduate Thesis Award ........................ Azad Siahmakoun, BS, MS, PhD
Associate Dean of Faculty and Professor of Physics and Optical Engineering

Introduction of Honorary Degree Recipient................. Richard E. Stamper
Recipient Dennis A. Smith

Awarding of Honorary Degree ............................. James C. Conwell

Introduction of Honorary Degree Recipient ................. Donald M. Ings, BS, HD ’99
Recipient D. James Umpleby
Chairman, Board of Trustees

Awarding of Honorary Degree ............................. James C. Conwell

Introduction of Honorary Degree Recipient and
Commencement Speaker Patrick J. Noyes ................. Kimberly H. Henthorn, BS, PhD
Associate Professor of Chemical Engineering

Awarding of Honorary Degree ............................. James C. Conwell

Commencement Address ................................... Patrick J. Noyes, BS
Founder, President, and Chief Executive Officer, Grenadier Energy Partners, LLC

Presentation of Fifty-Year Commemorative Degrees ....... James C. Conwell

Confering of Undergraduate Degrees ....... James C. Conwell

Confering of Master’s Degrees ............................ James C. Conwell

Greeting from Alumni ...................................... James W. Gidcumb, BS, MBA
President, Alumni Advisory Board
President's Outstanding Service Award ............................................. James C. Conwell
Dean's Outstanding Teacher Award .............................................. Jameel Ahmed, BS, MS, PhD
                              Interim Dean of Faculty and
                              Professor of Biology and Biomedical Engineering
Board of Trustees' Outstanding Scholar Award .................................... Donald M. Ings
Introduction of President .................................................................. Donald M. Ings
President's Remarks ......................................................................... James C. Conwell
"Alma Mater" ................................................................................ Andrew R. Mech, BS, MS, PhD
                              Professor of Mechanical Engineering
Benediction ..................................................................................... Osenimien A. Imeokparia
                              National Society of Black Engineers
"Dear Old Rose" ............................................................................... White Chapel Brass
Recessional ..................................................................................... White Chapel Brass

Alma Mater
Music by Raymond Mech
Lyrics by Andrew Mech, PhD, Professor of Mechanical Engineering

    Here in central Indiana
    is the school we know is best.
    Rose-Hulman, Yes, our Alma Mater
    far surpasses all the rest.
    Sing her glories and her praises
    in every way she does excel.
    Rose-Hulman, you're our Alma Mater
    our Alma Mater loved so well.

    Rose did more than set foundations
    for the work that was to come.
    The people here became as family;
    Rose became another home.
    Though we live at quite a distance
    and time has passed since our farewell,
    Rose-Hulman you have grown yet dearer
    our Alma Mater loved so well.

Dear Old Rose
The School Fight Song
Words and Music by Malcolm C. Scott, Class of 1922

    Dear Old Rose
    The sweetest flower that grows
    Here's to your colors rose and white
    Here's to the ones who've kept them bright.
Colors true for those who honor you
Here's to everything you've done,
Here's to every fight you've won.
    Dear Old Rose.
COMMENCEMENT SPEAKER
HONORARY DOCTORATE OF ENGINEERING

Patrick J. Noyes
Founder, President, and Chief Executive Officer
Grenadier Energy Partners

A 1976 mechanical engineering alumnus, Pat Noyes is the founder, president, and chief executive officer of Grenadier Energy Partners, a Texas-based company that is a leading force expanding America’s oil and natural gas reserves. Named for an especially beautiful but difficult-to-climb range in the Rocky Mountains, Grenadier applies cutting-edge technology to access hard-to-recover oil and natural gas reserves in the lower 48 states while boosting the output of existing production sites.

At the start of his career, Noyes served as a drilling engineer for Exxon for three years before joining Mitchell Energy Company in 1980. At Mitchell, he rose to become vice president of drilling services and was part of the leadership team that helped launch the U.S. shale gas revolution, a transformation that has completely changed the world’s energy resources picture.

After Mitchell Energy was sold in 2002, Noyes co-founded American EnergyQuest, a Texas-based private company involved in forming and financing oil and gas production facilities. The following year, he took the controls at Stroud Energy in Fort Worth, Texas, where, as president and CEO, he carried the business from financial distress to one with an enterprise value of $455 million, millions of cubic feet of natural gas production per day, and proven reserves of 159.4 billion cubic feet.

While a student at Rose-Hulman, Noyes was a four-year varsity letterman in football, and his name remains in the school record books under touchdown passes in a single game and average yards per completion.

Noyes is a past recipient of the Alumni Association’s Honor Alumni Award (2011).
Dennis A. Smith is a vice president for Nabors Industries, a world leader in oil and gas exploration. A 1971 mechanical engineering alumnus, Smith is involved in all financial and operational aspects of the Houston, Texas-based company. He previously has served as president and executive vice president of the company's international subsidiaries.

Nabors Industries owns and operates the world's largest land-based drilling rig fleet and is a leading provider of offshore drilling rigs in the United States and multiple international markets. With operations in more than 20 countries, the company is one of the world's largest oil and gas drilling contractors.

Prior to joining Nabors, Smith was an officer and group vice president of Pool Energy Services Company, a public company acquired by Nabors, and was chief executive of the company's independently financed Alaskan joint venture. He also previously held sales and operational management positions with the Oilwell Division of U.S. Steel, and managed manufacturing and production engineering projects for General Motors Corporation's Packard Electric Division.

Smith currently serves on the board of directors of Energy Alloys and is a director of the International Association of Drilling Contractors.

Smith was awarded the Rose-Hulman Alumni Association's Career Achievement Award in 1988. He was a four-year football starter and is a member of the institute's Athletic Hall of Fame.
Jim Umpleby is a group president at Caterpillar Inc., the world’s leading maker of construction and mining equipment, diesel and natural gas engines, industrial gas turbines, and diesel-electric locomotives.

After graduating from Rose-Hulman in 1980 with a degree in mechanical engineering, Umpleby joined Solar Turbines, Inc., a subsidiary of Caterpillar that’s based in California. He held several positions of increasing responsibility at the company, including assignments in Singapore and Malaysia between 1984 and 1990.

In 1997, Umpleby was named vice president at Solar Turbines, running the company’s customer service business. He became vice president for turbomachinery products in 2000 with responsibility for design engineering, manufacturing, and supply chain. He later led Solar Turbines power generation and oil and gas businesses and took a leading global services role with Caterpillar’s product support division. He was named president of Solar Turbines in 2010 and a vice president for Caterpillar. He was named group president and a member of Caterpillar’s executive office in 2013.

Umpleby is a former Rose-Hulman student body president who was awarded the Alumni Association’s Career Achievement Award in 2000. He is a member of the Rose-Hulman board of trustees, and also serves on the board of directors of the World Resource Institute and U.S.-India Business Council.
THE ACADEMIC PROCESSION

In today’s academic procession, the gown and hood indicate the degree held by the wearer. The hood is lined with the official color or colors of the college or university conferring the degree. Graduates of certain institutions wear gowns in the color of the university, faced down the front with velvet panels and with velvet crossbars on each sleeve. The velvet may be black or may be the color representing the field in which the degree was conferred.

ROSE-HULMAN
BACHELOR’S DEGREE ATTIRE
Rose-Hulman Institute of Technology bachelor’s degree holders or candidates wear a black gown and a black mortarboard with a red and white tassel. Students graduating cum laude, magna cum laude, or summa cum laude wear gold honor cords.

ROSE-HULMAN
MASTER’S DEGREE ATTIRE
Master’s degree hoods for Rose-Hulman Institute of Technology are black, lined with rose red satin and white satin chevron, and edged in golden yellow velvet. With the gown and hood, a black mortarboard and red and white tassel are worn.

CURRENT AND PAST
TRUSTEES CHAIR
Black gown with red chevrons bordered in gold piping, and red front panels.

TRUSTEES
Black gown with black chevrons bordered with gold piping.

PRESIDENT
Red gown with black chevron bordered with gold piping. The front panels on the gown include the official school seal. The colors inside the hoods for the trustees and president represent the official school colors of old rose red and white.

ETA KAPPA NU
Scarlet and navy cords signify membership in Eta Kappa Nu, the national electrical engineering honor fraternity.

PI MU EPSILON
Violet, lavender, and gold cords signify membership in Pi Mu Epsilon, the national mathematics honor society.

UPSILON PI EPSILON
Maroon and white cords signify membership in Upsilon Pi Epsilon, the international honor society for the computing and information disciplines.

PRESIDENTIAL MEDALLION
The gold-plated Rose-Hulman Presidential Medallion carries the school seal on one side. The other side portrays a rendering of the Flame of the Millennium sculpture bordered by the phrase “Continuing Our Legacy of Excellence.”
SCHOLARSHIP HONORS

Students graduating with a scholarship index of 3.90 or higher will be graduated summa cum laude; those with a scholarship index between 3.60 and 3.90 will be graduated magna cum laude; and those with a scholarship index between 3.30 and 3.60 will be graduated cum laude. These honors are recognized by the display of gold honor cords at the commencement ceremonies and in appropriate fashion on the diplomas.

* Cum Laude
** Magna Cum Laude
*** Summa Cum Laude

Honors Anticipated for Summer or Fall Completion candidates

Other Program Designations
- G Technical Translators Program-German
- A U.S. Army Commission
- AF U.S. Air Force Commission
- C Consulting Engineering Program
- M Management Studies Certificate
- S Semiconductor Materials and Devices Certificate
- SU Sustainability Studies Certificate

Graduation Date Designations
Special codes indicate students who completed their degree requirements prior to May 28, 2016.

Those designations are:
- a August 29, 2015
- n November 23, 2015
- f February 29, 2016

Master Thesis or Engineering Management Project indicated in italics

THE HEMINWAY GOLD MEDAL
This award, established by the late Mrs. Sarah A. Heminway, is awarded to the graduating undergraduate student with the highest grade point average. In the event of a tie duplicate awards are given.

THE JOHN T. ROYSE AWARD
The John Tuller Royse Award was inaugurated at Rose-Hulman to honor Mr. Royse in perpetuity for his many years of service to the college as a member of our board. The Royse tradition on the board continues today as John N. Royse still is an active member.

The award consists of a bronze medal and cash honorarium to be made at commencement each year to the graduating senior who, in the opinion of the faculty and administrative staff, is considered to be our most outstanding graduate based on academic achievement, student leadership, participation in co-curricular activities, and general campus citizenship. The recipient must be nominated by a classmate, a member of the faculty, or administrative staff.

THE MOENCH COMMENDATION
Herman A. Moench graduated from our school in 1929. He served as associate vice president and professor of electrical engineering for more than five decades. Moench helped shape the Rose-Hulman values that we all cherish today, including putting the student first, remaining humble while striving for excellence, and encouraging close student-teacher relationships.

In 1980, the first Moench Commendation was awarded. This is a person who is “not just a good student in the upper half of their class, but also has demonstrated exemplary character in the eyes of their peers and teachers; a person who has been influential in making Rose-Hulman a better place.” The recipient is selected by a vote of faculty and administrative staff.
FIFTY-YEAR COMMEMORATIVE DEGREES

For more than 130 years, Rose-Hulman alumni have been making positive contributions to society as scientists, engineers, and mathematicians. Success has not been limited to their career areas. They serve their local communities through civic organizations, youth activities, and churches. Much of the recognition Rose-Hulman enjoys today is because of our alumni. Rose-Hulman graduates make an impact. Their achievements as scientists, engineers, mathematicians, and concerned citizens translate into a reputation of quality for their alma mater.

Today, we recognize the contributions of the Class of 1966 by presenting commemorative degrees to those who have been alumni for 50 years. The diplomas they receive today honor their dedication of time and talent to their careers, society, and Rose-Hulman. The following members of the Class of 1966 returned to campus for today's ceremony:

CLASS OF 1966 MEMBERS ATTENDING COMMENCEMENT 2016

Elmer Beard
Jeff Brugos
Stephen Daugherty
Tom Daugherty
Robert Evans
Gordon Francis
Ronald Galbraith
Danny Lenz
Dennis Lind
John Lynn

Larry Michael
Larry Sachs
Donald Schultz
Joseph Tynan
Walter Benefield
Richard Foltz
Jeff Keeler
James Lane
Donald Lundgren
Michael Redman
A BRIEF HISTORY OF ROSE-HULMAN

Local businessman, entrepreneur, railroad builder, leading citizen, and philanthropist Chauncey Rose and nine of his friends founded Rose Polytechnic Institute in 1874 “for the intellectual and practical education of young men,” according to the original charter.

The school grew from its first class of 25 students to more than 200 by 1903, educating them in five engineering curricula: mechanical, civil, electrical, architectural, and chemical. The first private engineering college west of the Allegheny Mountains, the school provided a rigorous curriculum from the beginning.

In the early 1920s, a growing enrollment required a move from the middle of Terre Haute to a 123-acre farm east of the city on U.S. 40 (our current location) donated by the Hulman family. Classroom and residential buildings were constructed, and campus life took root with athletics, Greek life, dramatic and musical organizations, and student publications.

At its new home, the institute continued to establish itself as an outstanding and challenging engineering school with an enrollment of around 300 to 400 students. Then, in the late 1950s, degree programs in mathematics, physics, and chemistry were added. A few years later, the campus began to show further changes with the addition of the Hulman Union, new student housing, and a recreation center.

The Hulman family continued their tradition of philanthropy, turning over the assets of their foundation in 1971, leading the Board of Trustees to rename the college Rose-Hulman Institute of Technology.

The succeeding decades have seen growth at an accelerated pace, with one of the most notable changes being the admission of women to the college in 1995. Today, Rose-Hulman’s undergraduate enrollment stands at a little more than 2,200 with an additional 100 graduate students.

We believe Chauncey Rose would be proud of the institute he founded more than a century ago. For the past 17 years, Rose-Hulman has been ranked by engineering educators as the nation’s best college or university offering a bachelor’s or master’s degree as its highest degree in engineering, according to America’s Best Colleges, published annually by U.S. News & World Report. Additionally, six of our academic departments -- biomedical, chemical, civil, computer, mechanical, and electrical engineering -- are also ranked No. 1 by the same publication.

Today, our commitment to offering the world’s finest engineering education is recognized internationally as we have developed strong and mutually-beneficial relationships with universities in countries such as Germany, Russia, Ireland, Japan, South Korea, and China.
Rose-Hulman Institute of Technology
CANDIDATES FOR DEGREE

BACHELOR OF SCIENCE

BIOLOGY AND BIOMEDICAL ENGINEERING

BIOLOGY

* Michael Ross Hunter .................................................. Martinsville, Indiana
Duane Lee Kristensen, II .................................................. Elizabethtown, Kentucky
*** Alijah Gray O'Connor ................................................. Brookville, Indiana
Kyrstin Elizabeth Warnimont ........................................... Canal Winchester, Ohio
Anna Mary Weber .......................................................... Schererville, Indiana

Double Major in BIOLOGY and BIOCHEMISTRY & MOLECULAR BIOLOGY
Danielle Bauhan .......................................................... Crown Point, Indiana

BIOMEDICAL ENGINEERING

* Victoria Marie Becker .................................................. Oconomowoc, Wisconsin
* Mackenzie Jett Ignacio Bender ....................................... New Albany, Indiana
** Haley Kathryn Bowyer .................................................. Chrisman, Illinois
** Brandon David Bullitt .................................................. Lowell, Indiana
** Katherine Anne DeMoss ............................................... Martinsville, Indiana
f** Hallie Ciarra Drake ................................................... Mooresville, Indiana
** Michael James Frondorf ............................................... Sunman, Indiana
Xiaozhi Gao .............................................................. Chengdu, Sichuan, China
* Hayley Danielle Gilliam .................................................. Zionville, Indiana
* Jacob Nicholas Hiday ..................................................... Indianapolis, Indiana
* Savannah Rose Jay ....................................................... Logansport, Indiana
* Won-Woo Jeong ........................................................... Daejeon, South Korea
Zabrina Kay Johnson ..................................................... Peoria, Illinois
** Katherine Sara Lakstins ............................................... Terre Haute, Indiana
* Michael John Laritz ..................................................... Liberty Township, Ohio
** Chloe Nicole LaVelle .................................................... Patchogue, New York
Alicia Kay Leinen .......................................................... Hartland, Iowa
Ian Conor Lax Limoli ...................................................... Cleveland, Ohio
*** Mitchell William Lippy ............................................... Mebane, North Carolina
G John Patrick Masters ..................................................... Wheaton, Illinois
** William Tyler Newman .................................................. Lebanon, Ohio
f** Eva Katherine Ray ..................................................... Carbondale, Illinois
Kassandra Leigh Schmidt ................................................ Piscataway, New Jersey
* Jaclyn Renee Smith ....................................................... Thorntown, Indiana
n Emily Geraldine Savrda ................................................ Connersville, Indiana
Abigail-Charity Elisha-Patience Williams ................................ Terre Haute, Indiana
* Jessica Mae Zinnecker .................................................. Loveland, Ohio
Double Major in BIOMEDICAL ENGINEERING and BIOCHEMISTRY & MOLECULAR BIOLOGY

*** Lauren Faith Miller ...................................................... East Galesburg, Illinois

Double Major in BIOMEDICAL ENGINEERING and ELECTRICAL ENGINEERING

Milan Thakker .............................................................. Lebanon, New Jersey

Double Major in BIOMEDICAL ENGINEERING and MECHANICAL ENGINEERING

*** Jacob Delio Carducci .................................................. Naperville, Illinois
Whitney Lynn Strain ...................................................... Saint Peters, Missouri

Anticipated Summer or Fall Completion
BIOMEDICAL ENGINEERING

Evan Reed Deckard ........................................................... Bedford, Indiana
Matthew J. Fletcher ........................................................ Lowell, Indiana
Osenimien Afe Imeokparia ................................................ Brentwood, Tennessee
Alex Christopher Kipina .................................................. West Chester, Ohio

CHEMICAL ENGINEERING

** Matthew Elliott Adams .................................................... Oswego, Illinois
Allison Louise Beddow ....................................................... Terre Haute, Indiana
** Ryan Michael Beere ........................................................ Demotte, Indiana
Shadrac Brattain .............................................................. Brazil, Indiana
A** Bennett Charles Chappell .............................................. Moses Lake, Washington
*** Matthew Allen Conrad ................................................... Anderson, Indiana
Travis Lee Cooper ............................................................. Canal Winchester, Ohio
Kara Amelle Davis ........................................................... Terre Haute, Indiana
A Jamie Arlene Dintelmann ................................................ Belleville, Illinois
** Caitlin Breanne Douglas ................................................ Swansea, Illinois
Sarah Eberhardt ............................................................... Sammamish, Washington
Nevin Beck Fansher .......................................................... Noblesville, Indiana
** Sarah Beth Finer ............................................................. Blue Ash, Ohio
* Kevin Robert Garon ........................................................ Naperville, Illinois
* Gabrielle Marie Grande ................................................... Schaumburg, Illinois
*** John Michael Harn ........................................................ Golden Valley, Minnesota
m** Sloan Daniel Haywood .................................................. Plainfield, Indiana
** Joshua Richard Hoptry .................................................... Medina, Ohio
*** Dakota Wade Huckaby ................................................... Terre Haute, Indiana
Daniel Cole Johnson ........................................................ Farmersburg, Indiana
Amanda Jo Kelley ............................................................. Marion, Indiana
Grant Edward Kiger ........................................................... Palestine, Illinois
Caleb Lars Kissel ............................................................... Plainfield, Illinois
Justin James Klock ............................................................ Takoma Park, Maryland
** Daniel Lee ................................................................. Cheon-An, South Korea
C Taehoon Lee ................................................................. Ulsan, South Korea
Harry Joshua Long .......................................................... Benbrook, Texas
** Thomas Fischer Lowrey ................................................... Jasper, Indiana
** Kathryn Lynn Maier ........................................................ Billings, Montana
Jaret Allen May ............................................................... Jasonville, Indiana
Phillip Andrew Mellor ...................................................... Terre Haute, Indiana
** Donald Edward Meyer .................................................... Covington, Kentucky
** Casey Michael Mihal ........................................................ Crown Point, Indiana
Alec Tanner Mitchell .................................................. Newburgh, Indiana
Ashlee Nicole Noland .................................................. Millersburg, Indiana
Kali Janaye Nordquist .................................................. Cape Coral, Florida
Nicholas Ryan Norwood .................................................. Spring, Texas
Michael Joseph Noworyta .............................................. Chicago, Illinois
Olivia Katherine Ottone .................................................. Carlsbad, California
Katelyn Ann Parkey ...................................................... Franklin, Indiana
Gent Prelvukaj ............................................................. Bronx, New York
Kyle Thomas Robertson .................................................. Henryville, Indiana
Michael Anthony Samp .................................................. Lisle, Illinois
Christopher John Sander .................................................. Baileyville, Illinois
Meghan Marie Sandlin .................................................... Scottsburg, Indiana
Michael Thomas Savage .................................................. Kendallville, Indiana
Connor Thomas Schaller .................................................. O’Fallon, Missouri
Clark Adam Schultz ...................................................... Westfield, Illinois
Andrew Thomas Smith ................................................... Saint Charles, Missouri
Guiltherme Sprowl ........................................................ Indianapolis, Indiana
Marissa Rose Stout ........................................................ Terre Haute, Indiana
Alexander Zachariah Thomas .............................................. Clinton, Indiana
Hayley Rose Vonder Haar ................................................. Highland, Illinois
Ryan Nicholas Welch ...................................................... Blue Ash, Ohio
Xintong Xia ................................................................. Chongqing, China
Tengfu Xu ................................................................. Chengdu, Sichuan, China

Double Major in CHEMICAL ENGINEERING and BIOCHEMISTRY & MOLECULAR BIOLOGY
Julie Anne Hopkins ...................................................... Terre Haute, Indiana
Adam Foster Markley .................................................... Indianapolis, Indiana

Double Major in CHEMICAL ENGINEERING and CHEMISTRY
Amanda Elsie Carlin ....................................................... Cumberland, Maryland

Double Major in CHEMICAL ENGINEERING and COMPUTATIONAL SCIENCE
Tanuj Khanna ............................................................. Sugar Land, Texas

Double Major in CHEMICAL ENGINEERING and ECONOMICS
Nicholas John Chute ...................................................... Cincinnati, Ohio
Christopher Kevin Lippelt .............................................. Winamac, Indiana

Anticipated Summer or Fall Completion
CHEMICAL ENGINEERING

Stephen David Housman .................................................. Elkhart, Indiana
Emily Rose Latta .......................................................... Terre Haute, Indiana
Thomas Jay Scarborough .................................................. Galway, New York

CHEMISTRY AND BIOCHEMISTRY

CHEMISTRY

Seth Emanuel Clark ...................................................... Farmersburg, Indiana
William Franklin Schwandt .............................................. Plainfield, Indiana
Yuan Xue ................................................................. Nanjing, Jiangsu, China
** BIOCHEMISTRY **

<table>
<thead>
<tr>
<th>**</th>
<th>Abigail Marguerite Etters</th>
<th>Oceanside, California</th>
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<tbody>
<tr>
<td>f**</td>
<td>Kent Ryan Kraus</td>
<td>Greenwood, Indiana</td>
</tr>
<tr>
<td></td>
<td>George William Lundie</td>
<td>Poway, California</td>
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Anticipated Summer or Fall Completion

** BIOCHEMISTRY **

| Joseph Michael Hinds | Fairland, Indiana |

** CIVIL ENGINEERING **

| A | Michael Tyler Albaugh | Hartville, Ohio |
|   | Brent Royal Boardman   | Sheridan, Indiana |
|   | Katherine Elizabeth Carlson | Orwell, Ohio |
| * | Tucker Lee Cox       | Bedford, Indiana |
| A*| Ke Ding              | Yangzhou, Jiangsu, China |
| **| Seth Robert Dow      | South Bend, Indiana |
| **| Sheldon Taylor Falls | Mecca, Indiana |
| * | Isaac Christopher Gehman | Terre Haute, Indiana |
|   | Maxwell Goodrich      | Hammond, Indiana |
| **| Eric Scott Harned     | Miltown, Indiana |
| **| Dane Shakor Irving    | Newark, New Jersey |
| **| Benjamin Hardt Klick  | Marengo, Illinois |
| **| Gene Seop Kum         | Brentwood, New York |
|   | Joshua Trent Laughner | Frankfort, Indiana |
|   | Bethany Lynn Martin   | Mooresville, Indiana |
| * | Carolyn Aldyth Morris | Altadena, California |
|   | Colton Charles Motz   | Wadesville, Indiana |
| **| Milton Sanders Park IV| Alpharetta, Georgia |
| **| Anne Elizabeth Pierce | Rogersville, Missouri |
| C | Lauren Marie Plouff    | Birmingham, Alabama |
|   | Alexander Garrett Pohl | Avon, Indiana |
|   | Loys Huston Rees      | Glenwood, Indiana |
| **| Dillon Kent Reynolds  | Brazil, Indiana |
| **| Jonathan Cody Reynolds | Kankakee, Illinois |
| **| Dieter Josef Schultz  | Dyer, Indiana |
| * | Amanda Lindsey Sparks | Kennebunk, Maine |
|   | Brandon Charles Stahl | Sugar Grove, Illinois |
|   | Matthew Alexander Swintz | Indianapolis, Indiana |
|   | James Paul Tradup     | Mahomet, Minnesota |
|   | D’Khari-James Anthony Turner-Smith | South Bend, Indiana |
| A | Georges Jerome Valcour | Burr Ridge, Illinois |
|   | Dimitris Valioulis    | Thessaloniki, Greece |
|   | Matthew Randall Vogel | Naperville, Illinois |
|   | Mariana Emilia Wolf   | Hamilton, Ohio |
| * | Canyu Xu              | Hangzhou City, Zhejiang, China |
|   | Yan Zhu               | Nanjing, Jiangsu, China |

Two Degrees: CIVIL ENGINEERING and MECHANICAL ENGINEERING

| ** | Kevin William Mauser | Glenshaw, Pennsylvania |

13
Anticipated Summer or Fall Completion

CIVIL ENGINEERING

Blair Anthony Briscoe .................................................. Salem, Indiana
Chelsie Susanne Donnelly ................................................... Charlestown, Indiana
Ryan Matthew Helfrich .................................................. Trenton, Illinois
Zachary Michael Johnson ............................................. New Albany, Indiana
Joshua Lamarr Pinney ................................................. Huntington, Indiana
Daniel Patrick Powers .................................................... Oak Lawn, Illinois

COMPUTER SCIENCE AND SOFTWARE ENGINEERING

COMPUTER SCIENCE

Samuel Stewart Browder .................................................. Johnson City, Tennessee
* Shane Samuel Bruggeman ........................................... Fort Recovery, Ohio
Greg Rudolph Callegari .................................................. Huntington, New York
Ruying Chen .................................................................... Nanjing, Jiangsu, China
Zhiyang Chen .................................................................... Hangzhou, Zhejiang, China
Eric William Downing .................................................... Fort Wayne, Indiana
f* Daniel Alexander Earl .................................................. Mahomet, Illinois
f Alexis Concetta Fink ..................................................... Carmel, Indiana
f** Graham Andrew Fuller ................................................ Beaverton, Oregon
f Edward Alexander Goldthorpe ..................................... Burr Ridge, Illinois
f Aaron Michael Stratton Golliver .................................. Beaverton, Oregon
* Christopher Sherwood Havens ..................................... Issaquah, Washington
n** Mark Richard Hein .................................................... Sterling Heights, Michigan
Jessica Erin Kassal ....................................................... Clinton, Michigan
Steven James Kneisler ..................................................... Troy, Michigan
** Wenjun Kong ................................................................. Nantong, Jiangsu, China
Si Fi Faye Li ..................................................................... Hong Kong, China
f** Chi Huen Man .............................................................. Hong Kong, China
f Rosetta Lacie-ann Reatherford ...................................... Lawrenceburg, Indiana
f Isaac Barrett Fields Sanders ......................................... Carmel, Indiana
f* Mason Daniel Schneider ................................................ Henderson, Kentucky
** Samantha Sarte Staszak .............................................. Huntington Beach, California
* Kevin Joseph Trizna, Jr .................................................. Highlands Ranch, Colorado
f Yingying Wen ................................................................. Ruian, Zhejiang, China
f Jacob Elder Whiteley ..................................................... Normal, Illinois
f Jiaren Wu ......................................................................... Zhengzhou, Henan, China

Quadruple Major in COMPUTER SCIENCE, SOFTWARE ENGINEERING, MATHEMATICS, and ECONOMICS

** Jonathan Alexander Taylor ........................................... Louisville, Kentucky

Triple Major in COMPUTER SCIENCE, COMPUTER ENGINEERING, and MATHEMATICS

* Daniel George Hanson .................................................. Spring Lake, Michigan

Triple Major in COMPUTER SCIENCE, MATHEMATICS, and COMPUTER ENGINEERING

*** Adam John Michael .................................................... Lake Zurich, Illinois
Triple Major in COMPUTER SCIENCE, SOFTWARE ENGINEERING, and MATHEMATICS
** Brandon Nolan Tom ................................................................. Fort Wayne, Indiana

Double Major in COMPUTER SCIENCE and COMPUTER ENGINEERING
Joshua Allen Maurer ................................................................. Kokomo, Indiana
*** Hanwei Zhang ................................................................. Chengdu, Sichuan, China

Double Major in COMPUTER SCIENCE and ECONOMICS
*** Cort Kinzie Pugh ................................................................. North Liberty, Iowa

Double Major in COMPUTER SCIENCE and MATHEMATICS
*** Andrew Robert Miller ............................................................... Lebanon, Indiana

Double Major in COMPUTER SCIENCE and SOFTWARE ENGINEERING
Payden Cole Beyer ................................................................. Plymouth, Wisconsin
*** Tyler Jon Rockwood ............................................................... Prineville, Oregon
** Jacob Mackenzie Ryan .............................................................. Fishers, Indiana
** Melissa Puruganan Thai .............................................................. Manassas, Virginia
** Austin James Willis ................................................................. Fishers, Indiana

SOFTWARE ENGINEERING
Gregory Alan Bollivar ............................................................... Normal, Illinois
Joseph Bradley Carroll ............................................................... Connersville, Indiana
Dev Chanana ................................................................. Coppell, Texas
Nathan Jun Shan Cheung .............................................................. Beaufort, South Carolina
** Tai Jonah Enrico ................................................................. West Chester, Ohio
Zachary David Haloski ............................................................... Indianapolis, Indiana
Adeline Anne Johnson ............................................................... Caledonia, Michigan
Jonathan Peder Jungck ............................................................... Great Falls, Virginia
Prithvi Kanherkar ................................................................. Thornton, Colorado
* William Carl Mader, III ............................................................ Indianapolis, Indiana
* Noah Allen Miller ................................................................. Decatur, Illinois
* Mark Alexander Van Aken ........................................................... San Jose, California
* Donnie Ray Waters ................................................................. Franklin, Indiana
Cheng Zeng ................................................................. Mawei, Fujian, China

Triple Major in SOFTWARE ENGINEERING, COMPUTER SCIENCE, and MATHEMATICS
Laura Elisabeth Davey ............................................................... Deerfield, Illinois
* Jonathan Kenneth Lucas Jenkins ........................................................ Verona, Wisconsin
f** MinSeok Song ................................................................. El Centro, California

Double Major in SOFTWARE ENGINEERING and COMPUTER SCIENCE
* Paul Peter Bludzius ................................................................. Sinking Spring, Pennsylvania
G** Sean Michael Carter ............................................................... Crawfordsville, Indiana
Andrew Charles Davidson .......................................................... Chesterfield, Missouri
** Orry Andrew Jarvis ................................................................. New Salisbury, Indiana
Jordan Thomas LaShomb ............................................................... Norfolk, New York
** John Austin May ................................................................. Terre Haute, Indiana
Joseph Dale McNelly ................................................................. Jackson, Ohio
** Jordon Kendall Phillips .............................................................. Greencastle, Indiana
** Corey William Vatter ............................................................... Okeana, Ohio
Double Major in SOFTWARE ENGINEERING and ECONOMICS

*** Tyler James Duffy ................................................................. Fishers, Indiana

Anticipated Summer or Fall Completion
COMPUTER SCIENCE

Garrett Lee Barnes ................................................................. Lawrenceburg, Kentucky
Joshua Aaron Wright ............................................................... Beech Grove, Indiana

Double Major in COMPUTER SCIENCE and MATHEMATICS

AFT Asher Caleb Morgan ......................................................... Thompson’s Station, Tennessee

SOFTWARE ENGINEERING

Charles Benjamin Horton ......................................................... San Diego, California
Zachary Ray Hull ................................................................. Brazil, Indiana
Michael Joseph Kochell ........................................................... Fishers, Indiana
David Allen Patterson .............................................................. Terre Haute, Indiana

ELECTRICAL AND COMPUTER ENGINEERING

ELECTRICAL ENGINEERING

Kody James Alayon ................................................................. Hammond, Indiana
Matthew Thomas Anderson ..................................................... Fort Wayne, Indiana
Ray Edwen Anderson ............................................................. Louisville, Kentucky
Reese David Armstrong .......................................................... New Carlisle, Indiana
Douglas Henry Bickel .............................................................. Munster, Indiana
Elliott John Bochnowski .......................................................... Munster, Indiana
Nathaniel Reid Bonshire ......................................................... Eagan, Minnesota
Lane Ryan Boyd ................................................................. White Lake, Michigan
Korey Ashton Breger ............................................................... Munster, Indiana
Nathan Charles Brooks ............................................................ Brownsburg, Indiana
Nicole Elizabeth Bueittel ......................................................... Huntingburg, Indiana
Megan Christine Chirich ............................................................ Decatur, Illinois
Elena Chong Loo ................................................................. Panama
Harlan James DuPree .............................................................. Columbia, Maryland
Regen Danielle Foote ............................................................. Lake Stevens, Washington
Neven Michael Frazee ............................................................ New Bremen, Ohio
Kyle Indukumar Giesen .......................................................... Maple Grove, Minnesota
Brian Thomas Guttag .............................................................. Round Rock, Texas
Cole Mathew Hardman ........................................................... Mitchell, Indiana
Justin Andrew Jackson ........................................................... Coatsburg, Illinois
Joel Andrew-Furiel Kepchar ..................................................... Griffith, Indiana
Zachary Scott Langbartels ....................................................... Crown Point, Indiana
Brandon Douglas Loyer ............................................................ Galion, Ohio
Collin Eugene Marcotte .......................................................... Springfield, Illinois
Mallory Lois McDevitt .......................................................... Wapakoneta, Ohio
Anthony Jesse Milluzzi .......................................................... Westlake, Ohio
Karson David Nixon ............................................................. Jasper, Indiana
Christian Bryant Owen ............................................................ Park Ridge, Illinois
Charles Henry Rhine ............................................................ Bend, Oregon
Alec Calvin Sills .................................................. Whitehouse, Ohio
Adam Richard Singer .............................................. Schaumburg, Illinois
Jacques Villers St Louis ............................................. Eustis, Florida
Caleb James Stoll ................................................... Baroda, Michigan
Lukas Arthur Weldon ................................................ Winamac, Indiana
Addison David Williams ........................................... Fishers, Indiana
Jiawei Zhang ......................................................... Nanjing, Jiangsu, China
Raymond Zheng ..................................................... Monterey Park, California
Pengzi Zhou .......................................................... Shanghai, China
Ruoyu Zhuang ........................................................ Austin, Texas

Two Degrees: ELECTRICAL ENGINEERING and PHYSICS
Zheng Wang .......................................................... Ruian, Zhejiang, China

Double Major in ELECTRICAL ENGINEERING and MATHEMATICS
Amanda Elizabeth Mclean ............................................ Normal, Illinois

COMPUTER ENGINEERING

Anthony Michael Adamo ........................................... Chino, California
Elijah Ray Beard ..................................................... Terre Haute, Indiana
Asa Draic Bromenschenkel .......................................... Churchville, Maryland
Joseph Michael Fifty .................................................. Palatine, Illinois
Paul Daniel Gauvreau .............................................. Chesterfield, Missouri
daniel James Jenne .................................................. Louisville, Kentucky
Chad David Kohls ................................................... Leipsic, Ohio
Heather Ann Lothamer ............................................... Fort Wayne, Indiana
Allison Rose Pluger .................................................. Oconomowoc, Wisconsin
Sunil Gururaj Rao ..................................................... Indianopolis, Indiana
Benjamin Luke Schmidt ............................................. Newton, Massachusetts
Jeremiah Lavonte Tate ................................................ Indianopolis, Indiana
Andrew Mathias Tebbe .............................................. Lebanon, Ohio
Zizhao Wang .......................................................... Beijing, China
Joseph Louis Wood .................................................. Greenwood, Indiana
Weijian Zhang ........................................................ Shanghai, China

Two Degrees: COMPUTER ENGINEERING and COMPUTER SCIENCE
David Matthew Robinson .............................................. Reno, Nevada

Double Major in COMPUTER ENGINEERING and COMPUTER SCIENCE
Alexander David Leversen ........................................... Carmel, Indiana

Double Major in COMPUTER ENGINEERING and MATHEMATICS
Kyle Jal Daruwalla .................................................... Chatham, New Jersey

Anticipated Summer or Fall Completion
ELECTRICAL ENGINEERING

Xinghong Guo ........................................................ Wanchai, Hunan, China
Joshua Robert Scala ................................................. Chesterfield, Missouri
Panpan Yuan ............................................................. Jingzhou, Hubei, China
COMPUTER ENGINEERING

Mohammad Nasser Almisbaa ........................................... Houston, Texas
Fang-Yen Lee .............................................................. Shanghai, China
AF Nathan Philip Olivero .............................................. Peru, Illinois
Liangjie Wang ............................................................... Hangzhou, Zhejiang, China

Double Major in COMPUTER ENGINEERING and MATHEMATICS

† Ian Griffith Ludden .................................................... Brandon, Florida

MATHEMATICS

** Lucas Gregory Bohn .................................................. New Albany, Indiana
Casey Matthew Dant ..................................................... Batavia, Illinois
Jacob Kurt Hiance ......................................................... Independence, Kentucky

f Yunhui Shi ................................................................. Chengdu, Sichuan, China

n*** Edna Luo Jones ...................................................... Fairfield, Iowa

Double Major in COMPUTER SCIENCE

** Andrew Joseph Yuk .................................................... Village of Lakewood, Illinois

Three Degrees: MATHEMATICS and COMPUTER SCIENCE

*** Mitchell Anthony Orzech ........................................... Trail Creek, Indiana

Double Major in COMPUTATIONAL SCIENCE

** Christopher Edward Lambert ....................................... Chesterfield, Missouri
*** Abigail Lillian Mann ................................................. Des Plaines, Illinois

Double Major in MATHEMATICS and COMPUTER SCIENCE

G* Amy Nicole Kamperman .............................................. Loveland, Ohio

Anticipated Summer or Fall Completion
Double Major in MATHEMATICS and COMPUTER SCIENCE

† Connor Wainwright Kispert .......................................... Oswego, Illinois

MECHANICAL ENGINEERING

f** Aaron Michael Abbott .............................................. Lebanon, Ohio
Ahmed Abdalla ............................................................ Dubai, United Arab Emirates

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* Helena Elizabeth Bomber .............................................. Bagersville, Indiana

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Michael
Kyle Gautham Chandrasekar
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Trey Alan Datweiler
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Nicholas Mason Diskerud
Matthew Clay Dolesh
Zachary Joseph Dougherty
Luke Aaron Drong
Jacob Allen Dye
Charles Melvin Early, IV
Daniel Zachary Egan
Patrick Ryan Fonda
Kristopher Matthew France
Nicholas Wesley French-Seats
Emily Ann Fuhs
Dustin James Fullerton
George Daniel Gabrielson
Dakota Shiloh Gideon
Samuel Aaron Gould
Chris Michael Grable
Hazen James Hamather
Taylor Nicole Harris
Wanli He
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Brandon Michael Hennessy
Andrew Alexander Herold
Daniel Jarrod Hill
Gunnar Christian Horve
Gregory William Howe
Yingfeng Huang
Christopher James Huntley
Gunnar Allen Hutchison
Alexandra Elise Hylas
Tyler Eric Iliavici
Spencer Jeffrey Hylas
Mark Antonio Joaquin
Tyler Benjamin Johnson
David Scott Johnaton
Thomas James Kadela
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Brent Andrew Kamer
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Taylor Dawn Lockhart ............................................ Robinson, Illinois
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Ralph Anthony Lucarelli .......................................... Strongsville, Ohio
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Joseph Trevor McEntire ........................................... Newton, Alabama
Michael Conner McNeil .......................................... Saint Louis, Missouri
Aaron McNely ........................................................ Lexington, Kentucky
Caleb Nicholas Hester Miannan .................................. Indianapolis, Indiana
Erin Todd Miller ..................................................... Stamping Ground, Kentucky
Savannah Nicole Minor .......................................... Clemson, South Carolina
Joseph Patrick Monhaut .......................................... Mishawaka, Indiana
Austin Stephen Morris ............................................ Terre Haute, Indiana
Dylon Joshua Morton .............................................. Burbank, Illinois
Austin Marie Mraz ................................................ Elmhurst, Illinois
Alexander William Nerney ....................................... Carmel, Indiana
Andrew Marshall Niemann ........................................ Hillsboro, Illinois
Jennifer Megumi Nishida ......................................... Honolulu, Hawaii
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Allison Boday Parrent ............................................. Frankfort, Kentucky
Jordan Scott Patterson ............................................. Elizabethtown, Indiana
Colin Alexander Potter ............................................ Lebanon, Indiana
Matthew Ross Potter ............................................... Aurora, Illinois
Matthew Ryan Powell .............................................. Homer Glen, Illinois
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** Zhengfeng Shao .......................................................... Wuxi, Jiangsu, China
Dakota Jacob Smith ............................................................ Brazil, Indiana
* Samuel Anthony Sobczak ............................................... Noblesville, Indiana
* Haoxiang Song ............................................................. Nanjing, Jiangsu, China
Jonathan Walter Soulsby .................................................. Brookville, Indiana
* Brady Allen Stern ......................................................... Waverly, Iowa
Nathan James Stewart ..................................................... Mt Zion, Illinois
f Mark Zachary Studer ...................................................... Aurora, Indiana
d Dawei Sun ................................................................. Beijing, China
* Daniel Robert Sutherland ............................................... Centennial, Colorado
Warren Brooks Swift ....................................................... Mount Pleasant, South Carolina
Casey Owen Thomas ............................................................ Springfield, Indiana
Aaron Alexander Thompson ................................................. Springfield, Missouri
Daniel Csaba Truckai ....................................................... Saratoga, California
Nicholas John Tully ........................................................... East Patchogue, New York
* Austin Douglas Tyler ...................................................... Plainfield, Indiana
** Josiah Xiao-Hui Wang .................................................... Sun Lakes, Arizona
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Warren Spencer Whithaus .................................................. Robinson, Illinois
G Aaron Robert Wilkinson ................................................... Appleton, Wisconsin
n Nicholas Gerard Christopher Wilkowski ................................ Minneapolis, Minnesota
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Dexter Ray Willis ............................................................... Fort Wayne, Indiana
Evan William Witsken ........................................................ Granger, Indiana
Nicholas Jon Woerner ........................................................ Indianapolis, Indiana
Christopher James Wolf .................................................... Greenfield, Indiana
** Matthew Ryan Wolf ...................................................... Lemont, Illinois
** Joseph Samuel Woodley, Jr. ............................................. Shreveport, Louisiana
* Tingyu Zhang ............................................................... Beijing, China
Yijun Zhu ................................................................. Changzhou, Jiangsu, China
Two Degrees: MECHANICAL ENGINEERING and ELECTRICAL ENGINEERING
** Michael Joseph Jones .................................................... Russiaville, Indiana
** Christopher Alexander Lui ............................................. Millstone Township, New Jersey
Two Degrees: MECHANICAL ENGINEERING and MATHEMATICS
** Thomas Vlado Munc ...................................................... Burr Ridge, Illinois
Double Major in MECHANICAL ENGINEERING and COMPUTATIONAL SCIENCE
*** Tucker James Nelson .................................................... Bloomington, Minnesota
Double Major in MECHANICAL ENGINEERING and ECONOMICS
** Brian Alexander Decker .................................................. Avon, Indiana
Ian Randall Knapp ............................................................ Highland Park, Illinois
Anticipated Summer or Fall Completion

MECHANICAL ENGINEERING

G
Ivy Angelina Arkfeld .................................................. Atascadero, California
Patton Davis Baker .................................................. Memphis, Tennessee
Hannah Bailey ..................................................... Lombard, Illinois
Trent Thomas Bauters ............................................. Akron, Indiana
Jacob Alexander Becker ........................................... O’Fallon, Illinois
Cassidy Danielle Cain ............................................... Noblesville, Indiana
Jacob David Chalmers ............................................. Red Wing, Minnesota
Christopher Thomas Collinsworth ......................... Catlettsburg, Kentucky
† James Andrew De Clerck ........................................ Hancock, Michigan
James Patrick Dempsey ............................................. Indianapolis, Ohio
Alexander Pierce Fitts ............................................. Decatur, Illinois
Timothy Mark Furman ............................................. Oswego, Illinois
Nicholas David Gerber ............................................. West Chester, Ohio
Stephen David Geresy ............................................. Chicago, Illinois
Winfield Paul Greene .............................................. Bloomfield Hills, Michigan
Max Emil Hartman .................................................. Fisher, Indiana
 Brianna N Hibbler .................................................. Naperville, Illinois
Thomas Matthew Hickey ........................................ Dalian, Liaoning, China
Junyi Jiang .......................................................... Seattle, Washington
James Wilbur Kwak ................................................ Shelbyville, Indiana
Corbin Wade Lee ..................................................... Chengdu, Sichuan, China
Chengjun Liang ..................................................... Phoenix, Arizona
† Lisa Marie Lillis ...................................................... West Chicago, Illinois
James Ryan Maguire ................................................ Boardman, Ohio
Taylor Michael Marconi ........................................... Rosedale, Indiana
Jerry Dwight McCammon III ..................................... Naperville, Illinois
Andrew Kyle Mooney ................................................ Montgomery, Illinois
Emily Ruth Nordt .................................................. Goshen, Indiana
Tyler Justin Rockenbaugh ........................................ Sammamish, Washington
Brandon Francis Schirmer ....................................... La Porte, Indiana
Andrew Thomas Schuelke ...................................... Hillsdale, New Jersey
Julian Joseph Sfeir .................................................. Landenberg, Pennsylvania
Barry William Tomasetti, Jr. ..................................... Liberty Lake, Washington
Lev Alexandrovich Tsarev ........................................ Terre Haute, Indiana

PHYSICS, OPTICAL ENGINEERING, AND ENGINEERING PHYSICS

PHYSICS

*** Matthew Patrick Barry ........................................... Montgomery, Illinois
** Andrew James Bertinetti ......................................... Tinley Park, Illinois
Michelle LaShai-Jillienne Lollie ................................ West Bloomfield, Michigan
** James Hershel Miller .............................................. Indianapolis, Indiana

Two Degrees: PHYSICS and COMPUTER SCIENCE

** Orion Paul Martin ................................................ Dublin, Ohio
Two Degrees: PHYSICS and OPTICAL ENGINEERING

*** Gavin Neal West .................................................. Summer Shade, Kentucky

Quintuple Major in PHYSICS, MATHEMATICS, OPTICAL ENGINEERING, ENGINEERING PHYSICS, and COMPUTATIONAL SCIENCE

S* Javad Donald Qazi Khusro ........................................... Bloomington, Illinois

Double Major in PHYSICS and MATHEMATICS

** Cassidy Joy Bevington ............................................... Middle Point, Ohio
** Cody Ray Patterson ................................................... Terre Haute, Indiana
* Jeffrey Ryan Sweeney .................................................. Downers Grove, Illinois
** Tyler Nicholas Taplin .................................................. Hendersonville, Tennessee

OPTICAL ENGINEERING

f* Andrew Alan Blandford ............................................. Owensboro, Kentucky
f* Juliana Mae Richter ................................................... Culver City, California

Triple Major in OPTICAL ENGINEERING, ELECTRICAL ENGINEERING, and ENGINEERING PHYSICS

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ENGINEERING PHYSICS

S Zahna Kadejah Andrews ............................................... Clarksville, Tennessee
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Double Major in ENGINEERING PHYSICS and MATHEMATICS

** Scott Alex Blankenbaker ............................................. Carmel, Indiana

Double Major in ENGINEERING PHYSICS and OPTICAL ENGINEERING

S* Kevin Xiufeng Cao .................................................... Windsor, Ontario, Canada
S* Michael Edward Smyser .................................................. Grand Rapids, Michigan
S* Casey Jane Troccoli ...................................................... Schaumburg, Illinois
S* Alexander Jon Wroten .................................................. Citrus Heights, California

Anticipated Summer or Fall Completion

ENGINEERING PHYSICS

Daehwan Hyun .............................................................. Brea, California

Double Major in PHYSICS and ELECTRICAL ENGINEERING

Oluwatoba Oluwadamilola Faseru ........................................ South Riding, Virginia
MASTER DEGREES

MASTER OF CHEMICAL ENGINEERING
Jordan Alexander Muth .................................................. Greenwood, Indiana
Zhang Wang ........................................................................ Dalian, Liaoning, China

MASTER OF CIVIL ENGINEERING
Eric Tomas Liobis .............................................................. Middlesex, New Jersey

MASTER OF CHEMISTRY
Matthew David McDonald .................................................. Naperville, Illinois

MASTER OF MECHANICAL ENGINEERING
Ang Li ................................................................................. Dalian, Liaoning, China
Laura Christine Nash ........................................................ Bow, Washington
Kuanran Wang ................................................................. Chengdu, Sichuan, China
Xinke Wang ........................................................................ Tianjin, China

MASTER OF SCIENCE

BIOMEDICAL ENGINEERING
Joshua Colpe Witt .............................................................. Olney, Maryland
Equilibrium Testing of Rat Tail Tendon: An Analysis of the Viscoelastic Properties of Collagen under Different Strain Points
Thesis Advisor: Professor Glen Livesay

CHEMICAL ENGINEERING
Megan Elaine Liebman ...................................................... Wheaton, Illinois
Asset Management Model for an Industrial Process Automations System in the Chemical Engineering Unit Operations Laboratory at Rose-Hulman Institute of Technology
Thesis Advisor: Professor Atanas Serbezov

Ziyang Yin ........................................................................ Shanghai, China
The Effect of Assembly Technique on Weak Polyelectrolyte Multilayer Film Morphology and Humidity Swelling/Deswelling Behavior
Thesis Advisor: Professor Adam Nolte

CHEMISTRY
Elias Eteshola ...................................................................... Gahanna, Ohio
Antioxidant Mechanisms of Glutathione against Metal-Mediated Oxidative DNA Damage
Thesis Advisor: Professor Daniel Morris
Phosphonium/Phosphate Ionic Liquids as Lubricant Additives:
The Synthesis and Testing of Six Novel Ionic Liquids
Thesis Advisor: Professor Michael Mueller

ELECTRICAL ENGINEERING

David Eric McNeil, Jr. ............................................. O'Fallon, Missouri
NEUROSim: Naturally Extensible, Unique RISC Operation Simulator
Thesis Advisor: Professor Daniel Chang

Zhen Wei ............................................................. Changzhou, Jiangsu, China
Modular Design of an Educational Robotics Platform
Thesis Advisor: Professor Carlotta Berry

ENGINEERING MANAGEMENT

Gauthami Badri .......................................................... Chennai, Tamil Nadu, India
Risk of Musculoskeletal Disorders among Nurses -
A Comparative Study Between India and USA
Project Advisor: Professor Eva Andrijcic

Joshua King ............................................................. Markle, Indiana
The Feasibility of Improvement of Fuel Efficiency in Light Trucks and Full-Size
SUVs through Development of Advanced Powertrain Electrification
Project Advisor: Professor Craig Downing

David Dalton Lentz .................................................. Franklin, Tennessee
Redesign of a Spray Dryer Unit and Integration of a Wet Scrubber Separation System
Project Advisor: Professor Eva Andrijcic

Lynsey Deann Liguori ................................................ Lebanon, Indiana
Product Life Cycle
Project Advisor: Professor Craig Downing

Alanna Nocar .......................................................... Scott Air Force Base, Illinois
Influence of Mentors on Female Rose-Hulman Students and Their Career Satisfaction
Project Advisor: Professor Eva Andrijcic

Cory Joseph Pardieck ................................................ Seymour, Indiana
Examination of Retention Rates of First-Generation College Students
at Rose-Hulman Institute of Technology
Project Advisor: Professor Craig Downing

René Georg Richard Portier ........................................ Eutin, Schleswig-Holstein, Germany
Cost-Benefit Analysis of Sustainable and Self-Sustaining Systems
for Accommodation Using the Example of a Tiny House Project
Project Advisor: Professor Eva Andrijcic
Sandyasri Ravi ................................................................. Chennai, Tamil Nadu, India
Comparative Study of HR Practices in the United States and in India - Cultural Influence
Project Advisor: Professor Craig Downing

Vedhanarayan Ravi .......................................................... Chennai, Tamil Nadu, India
Dynamic Supplier Evaluation System
Project Advisor: Professor Craig Downing

Kyle Alan Rawn ............................................................. Indianapolis, Indiana
Autocake: A New Product Introduction
Project Advisor: Professor Craig Downing

Michael Joseph Timko ................................................... Brownsburg, Indiana
An Economic and Environmental Analysis of Stop-Controlled, Signal-Controlled, and Roundabout Intersections: Options for Ohio Boulevard and Brown Avenue in Terre Haute, Indiana
Project Advisor: Professor Jeremy Chapman

MECHANICAL ENGINEERING

Sidharth Ramesh .......................................................... Hyderabad, India
Implementation of Space-Time Finite Element Formulation in Elastodynamics
Thesis Advisor: Professor Simon Jones

Matthew Alexander Thompson ........................................ Mooresville, North Carolina
Analysis of Shock-Plugs in Quasi-One-Dimensional Compressible Flow
Thesis Advisor: Professor Thomas Adams

OPTICAL ENGINEERING
(DUAL MS DEGREE WITH SEOUL TECH, KOREA)

Benjamin DuBray Hall .................................................... Bedford, Indiana
Manipulation of Surface Plasmon Resonance in Metal and Alloy Thin Films Using Dielectric Media
Thesis Advisor: Professor Azad Siahmakoun

Guebum Han ................................................................. Seoul, South Korea
Study of Development of Atomic Microscopy Probes for Nanomechanical Characterization and Surface Analysis
Thesis Advisor: Professor Scott Kirkpatrick

Heesoo Park ................................................................. Seoul, South Korea
Study of Surface Plasmon Resonance in Metal and Alloy Nanofilms using Maxwell Description and Metamaterial Simulation of COMSOL
Thesis Advisor: Professor Azad Siahmakoun

Woonghee Youn ............................................................ Seoul, South Korea
Increasing the Sensitivity of the Michelson Interferometer through Multiple Reflection
Thesis Advisor: Professor Charles Joenathan
SOFTWARE ENGINEERING

Michael Zachary Jones .................................. Bolingbrook, Illinois
Aerosta Computer Storage Product
Project Advisor: Professor Steve Chenoweth

Jon Wayne McCain ....................................... Indianapolis, Indiana
Interaction Skills Engine
Project Advisor: Professor Steve Chenoweth

SYSTEMS ENGINEERING AND MANAGEMENT (INTERNATIONAL PROGRAM)

Martin Emmerich ....................................... Oberdischingen, Germany
Concept and Implementation of a Vehicle and Measurement Architecture for the
Development of Future Driver Assistance System
Thesis Advisor: Professor Daniel Moore

Manuel Ott ................................................ Giengen, Germany
System-Oriented Tooling in PREEvision for Function and Pin Distribution in Automotive Electronics
Thesis Advisor: Professor Daniel Moore

Thomas Rauwolf ........................................ Unterschneidheim, Germany
Research on the Impact of Inductive Loads on SSPCs
Thesis Advisor: Professor Daniel Moore

Tobias Roesch ............................................. Niederraunau, Germany
EMC Analysis of an HDBase TC Physical-Layer-Interface within an Automotive Environment
Thesis Advisor: Professor Daniel Moore

Bettina Sedelmaier ...................................... Illertissen, Germany
Concept of a System Design for the Connection of a Diagnosis System
to a Test Control Software in NI TestStand™
Thesis Advisor: Professor Daniel Moore

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