

5-26-2018

2018 Rose-Hulman Institute of Technology: One Hundred and Fortieth Commencement

Rose-Hulman

Rose-Hulman Institute of Technology

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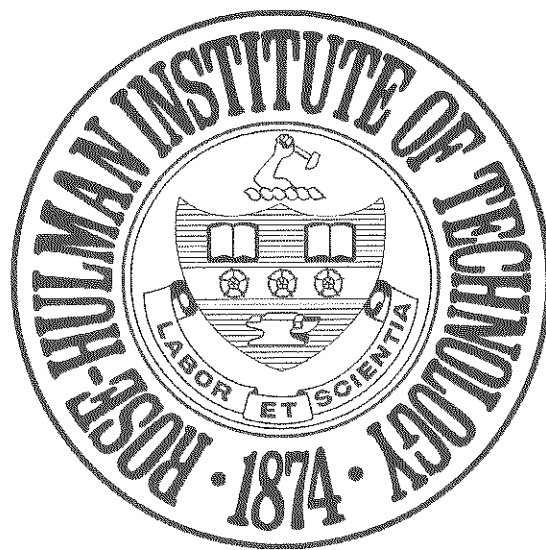
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ONE HUNDRED AND FORTIETH COMMENCEMENT
MAY 26, 2018



2018 COMMENCEMENT PROGRAM

Prelude	White Chapel Brass
Academic Procession	Erik Z. Hayes, BS, MS <i>Grand Marshal, Vice President for Student Affairs and Dean of Students</i>
Introduction	Arthur B. Western, BS, MS, PhD <i>Professor Emeritus of Physics and Optical Engineering</i>
Processional	The Rose-Hulman Joint Service ROTC Color Guard and Indianapolis Firefighters Emerald Society Bagpipers
National Anthem	Rose-Hulman Performing Arts Ensemble
Welcome	Karina Colott <i>Past President, Society of Hispanic Professional Engineers</i>
President's Remarks	James C. Conwell, BS, MS, PhD, PE <i>President</i>
Comments from Senior Class	Carli N. Weinberg <i>President, Senior Class</i>
Awarding of Heminway Medal	Anne M. Houtman, BA, MA, DPhil <i>Provost and Vice President for Academic Affairs and Professor of Biology and Biomedical Engineering</i>
John T. Royse Award	Erik Z. Hayes
Herman A. Moench Distinguished Senior Commendation	Richard P. Ditteon, BS, MS, PhD <i>Professor of Physics and Optical Engineering</i>
Recognition of the Special Award Recipients	Anne M. Houtman
Introduction of Commencement Speaker	Donald M. Ings, BS, HD '99 <i>Chairman, Board of Trustees</i>
Commencement Address	D. James Umpleby III, BS, HD '16 <i>Chief Executive Officer and Director, Caterpillar Inc.</i>
Recognition of the Fifty-Year Graduates	Anne M. Houtman
Conferring of Undergraduate Degrees and Recognition of Students Anticipating Degrees	James C. Conwell
Turning of the Tassels	Erik Z. Hayes
Conferring of Master's Degrees	James C. Conwell
Greeting from Alumni	Dan J. Price, BS '75 <i>President, Alumni Advisory Board</i>
Farewell	Jada S. Davis <i>Past President, National Society of Black Engineers</i>
"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

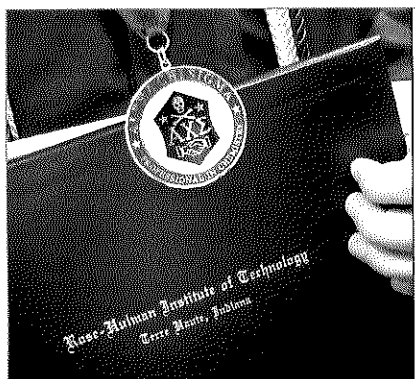
Here in central Indiana
is the school we know is best.
Rose-Hulman, Yes, our Alma Mater
far surpasses all the rest.
Sing her glories and her praises
in every way she does excel.
Rose-Hulman, you're our Alma Mater
our Alma Mater loved so well.

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

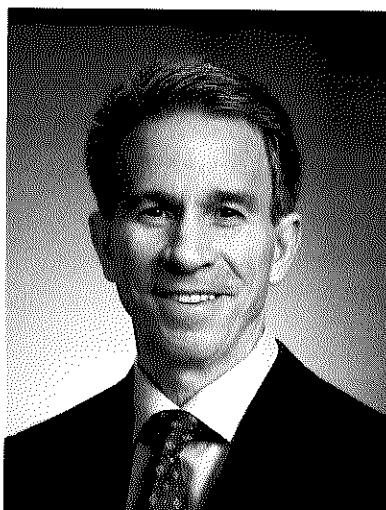
Dear Old Rose
The sweetest flower that grows
Here's to your colors rose and white
Here's to the ones who've kept them bright.
Colors true for those who honor you
Here's to everything you've done,
Here's to every fight you've won.
Dear Old Rose.



2018 Class Photo

Be sure to download your own copy of the 2018 class photo, courtesy of the Office of Alumni Relations.

www.rose-hulman.edu/commencement18



COMMENCEMENT SPEAKER

D. James Umpleby III

Chief Executive Officer and Director,
Caterpillar Inc.

Leadership skills gained as a student at Rose-Hulman Institute of Technology helped pave the way for Jim Umpleby's successful 38-year career at Caterpillar Inc., the world's leading manufacturer of construction and mining equipment, diesel and natural gas engines, industrial gas turbines and diesel-electric locomotives. He has been the Fortune 100 company's CEO and a member of its board of directors since Jan. 1, 2017.

Shortly after earning his bachelor's degree in mechanical engineering and serving as student body president, Umpleby became an associate engineer in 1980 with San Diego-based Solar Turbines, now a wholly owned subsidiary of Caterpillar. He was recruited by current board of trustees Chair Donald M. Ings (then a Solar Turbines executive) to join Solar, which is one of the world's leading manufacturers of industrial gas turbine systems. During his career at Caterpillar, Umpleby has held a variety of positions in engineering, manufacturing, marketing, sales and services, and he spent six years in Southeast Asia on assignment in Malaysia and Singapore.

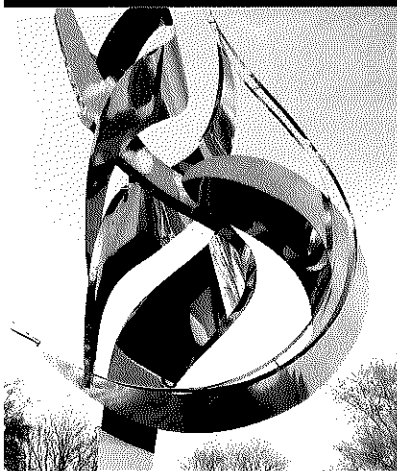
In 2010, Umpleby became president of Solar Turbines and a Caterpillar vice president. In 2013, he was named group president and a member of Caterpillar's executive office to lead Caterpillar's Energy & Transportation segment. In 2017, the Caterpillar board elected Umpleby as chief executive officer and a member of the board.

As CEO, he is leading the company's execution of a new enterprise strategy for profitable growth, based on operational excellence and making Caterpillar's customers more successful by providing expanded offerings of products and services. Caterpillar's 2017 sales and revenues were \$45.5 billion, an 18-percent increase over 2016 levels.

Umpleby completed an executive leadership program at the International Institute for Management Development in Lausanne, Switzerland. He is a member of the board of directors of Chevron Corporation and the U.S.-India Strategic Partnership Forum. He is also a member of the Latin America Conservation Council and the Business Roundtable.

His association with Rose-Hulman has included serving on the institute's board of trustees since 2015. He received an honorary doctorate in engineering in 2016 and the Rose-Hulman Alumni Association's Career Achievement Award in 2000.

Jim lives in the Chicago area with his wife Katherine and two daughters.



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.

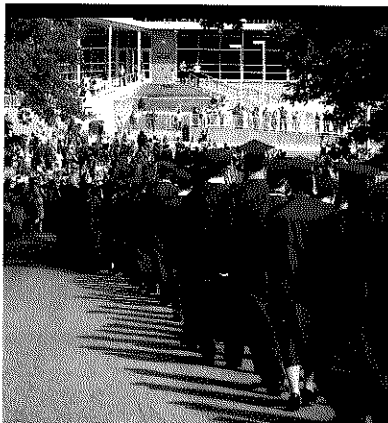
Earlier today, we recognized the contributions of the Class of 1968 by presenting commemorative degrees to those who have been alumni for 50 years. The diplomas they received honor their dedication of time and talent to their careers, society, and Rose-Hulman.

THE FOLLOWING MEMBERS OF THE CLASS OF 1968 RETURNED TO CAMPUS FOR TODAY'S CEREMONY:

Gary Adler
John Andis
Donald Bryant
James Duzan

Thomas McLeish
Joseph O'Brien
Joel Roberts
John Shambach

Nelson Smiley
Norman Smiley
John Sprouse
Stephen Whitesell



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
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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

Graduation Date Designations

Special codes indicate students who completed their degree requirements prior to May 26, 2018.

Those designations are:

a	August 26, 2017
n	November 20, 2017
f	February 26, 2018

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

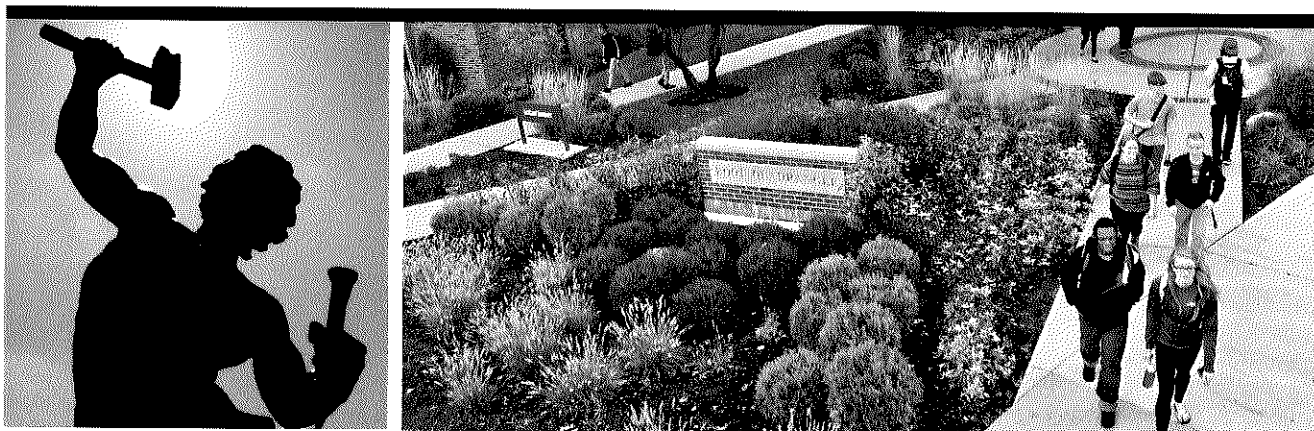
The John Tuller Royse Award was inaugurated at Rose-Hulman to honor Mr. Royse in perpetuity for his many years of service to the college as a member of our board. The Royse tradition on the board continues today with John N. Royse an emeritus member.

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.



A BRIEF HISTORY OF ROSE-HULMAN

Rose-Hulman's story began in 1874 as the dream of entrepreneur and philanthropist Chauncey Rose, who, along with a handful of friends, laid the groundwork for a school "for the intellectual and practical education of young men." The dream became a reality when Rose Polytechnic Institute welcomed its inaugural class of 25 students in 1883.

Housed in a majestic and towering building at 13th and Locust streets in Terre Haute, Rose Poly prospered as growing numbers of students sought a demanding and practical education in the industrial sciences. However, the institute eventually outgrew its urban campus. By 1900, enrollment had reached 200 students; by World War I it reached 300.

In response to the need for a larger campus, the Hulman family donated 123 acres of rolling farmland east of Terre Haute to the institute in 1917, providing a scenic and spacious setting for the growing school. The first academic building, later called Moench Hall, opened in 1922. The first dormitory, Deming Hall, was constructed four years later. Soon, additional facilities, including labs, athletic fields and new academic buildings, began to take root.

The institute's Board of Managers renamed the school Rose-Hulman Institute of Technology in 1971 in appreciation for yet another gift from the Hulmans, this time the assets of the Hulman Foundation, valued at approximately \$11-million (about \$69 million in

current dollars). This gift, and a successful centennial fundraising campaign, helped fuel a growth spurt on campus in the last quarter of the 20th century – resulting in Myers Hall, Cook Stadium, the Sports and Recreation Center, Hadley Hall, Oakley Observatory, Olin Hall and other new facilities.

In 1991, the Board of Managers took another major step forward when they voted to admit women to Rose-Hulman beginning in 1995. That year, women comprised 17 percent of the freshman class. Today, female students make up about one-fourth of our 2,200-strong undergraduate population – above average for STEM colleges and universities.

Last summer, the institute began yet another new chapter in our history with the acquisition of more than 1,100 acres of farm and wooded property south of campus. This property, purchased from the Hulman family, presents virtually boundless possibilities for growth and exciting new educational opportunities for our students. We have also recently expanded our reach into the state capital by opening a new facility in downtown Indianapolis.

As we congratulate the Class of 2018, we are grateful for all of the visionary leaders, outstanding alumni, faculty, parents and students who have believed in, and supported, the vision of Rose-Hulman over the years. Thanks to them, we look forward with confidence to another 140 years of progress.

Rose-Hulman Institute of Technology

CANDIDATES FOR DEGREE

BACHELOR OF SCIENCE

BIOLOGY AND BIOMEDICAL ENGINEERING

BIOLOGY

**	Joseph Choi Lee	Indianapolis, Indiana
f*	Madeleine Dallas Pasco	Bethesda, Maryland
	Jessica Anne Will	Terre Haute, Indiana

BIOMEDICAL ENGINEERING

*	Jacob Todd Alumbaugh	Neoga, Illinois
	Barbara Ntiriwaa Arhin	Chicago, Illinois
f***	Noah Zachary Bawel	Jasper, Indiana
	Adam Anthony Blackburn	Terre Haute, Indiana
**	Camille Brooke Blaisdell	Barrington, Illinois
	Annelise Marie Cassidy	Carnation, Washington
	Daniel James Craig	Bloomington, Indiana
	Matthew Allen Davis	Newburgh, Indiana
**	Caroline Marie DeBrot	Zionsville, Indiana
**	Lindsey Joy Fagerberg	Buena Vista, Colorado
**	William Davis Ferriell	Crestwood, Kentucky
	Patrick Stewart Gibson	Ridgefield, Connecticut
*	Jordan McKenzie Hagood	Edmond, Oklahoma
	Christopher Steven Hockaden	Greensburg, Indiana
	Stanley James Hogan III	Rosepine, Louisiana
*	Zachery Andrew Kanz	Austin, Texas
	Nicholas Scott Keller	Terre Haute, Indiana
	Bethany Lynn Lefeber	Franklin, Wisconsin
	Gabrielle Alexandra Markison	Marengo, Illinois
	Jennifer Luann Miller	Elkhart, Indiana
*	Lotanna Ejikeme Gabriel Nwandu	Monee, Illinois
***	Stefanie Jane Panzenhagen	New Berlin, Wisconsin
*	Ellese Nicole Petty	Copenhagen, Denmark
*	Rebecca Elizabeth Poppel	Urbana, Ohio
***	Gabriele Jina Razma	Durango, Colorado
	Melissa Lauren Rivera	Everett, Washington
	Alison Catherine Rogozinski	Lakewood, Ohio
	Jaclyn Brooke Setina	Kildeer, Illinois
*	Changlin Shen	Kunming, Yunnan, China
**	Taylor Elizabeth Smith	Troy, Ohio

	Benjamin Henry Stone	Fort Wayne, Indiana
*	Krystina Margaret Szafran	Hinsdale, Illinois
*	Justin Michael Velasquez	Marengo, Illinois
	Colton James Watson	Wartburg, Tennessee
	Longyu Wu	Nanchang, Jiangxi, China
	Yahe Yang	Changzhou, Jiangsu, China
*	Yicheng Zhao	Beijing, China

Anticipated Summer or Fall Completion **BIOMEDICAL ENGINEERING**

†	Alexander Scott Dodge	Osgood, Indiana
	Kevin Ikechukwu Ndife	Terre Haute, Indiana
	Jessica Uyen Nguyen	Aurora, Illinois
	Brandon Michael Swart	Hammond, Indiana

CHEMICAL ENGINEERING

	Alessandro Adarve Cuellar	Asheville, North Carolina
	Kaleah Emily Allen	Parker, Colorado
	Elizabeth Anne Beddow	Terre Haute, Indiana
	Emily Hanna Bochnowski	Munster, Indiana
	Zackery Cole Bolinger	Noblesville, Indiana
	Andrew Pei Lin Chen	Ma On Shan, Hong Kong
	Ellen Katherine Dado	Greenville, South Carolina
*	Anna Marie DeFries	Austin, Texas
**	Noah Jeffrey Eckstein	Indianapolis, Indiana
	Devin Thomas Friske	McHenry, Illinois
*	Cameron Scott Gill	Noblesville, Indiana
*	Mackenzie Elise Gossard	Westerville, Ohio
	Brian Jacob Guess	Plainfield, Indiana
	Tahji Dominique Guy	Indianapolis, Indiana
	Cole James Hruskovich	Lafayette, Indiana
	William James Hubbs	Terre Haute, Indiana
**	Lucas Mitchel Huston	Newton, Illinois
	Cory Dean Hutchison	Crawfordsville, Indiana
*	Patrick Robert King	Libertyville, Illinois
*	Michelle Mary Korf	Mount Prospect, Illinois
	Gaoshan Li	Beijing, China
*	Chaoyi Ma	Nantong, Jiangsu, China
	Patrick Joseph McGowan	Sterling Heights, Michigan
**	Kelly Elizabeth McKenna	Crestwood, Kentucky
	Bradley Chase Mobley	Bloomington, Indiana
	Daniel Ryan Moore	Washington, Indiana
	Tucker Dalton Pletcher	Plymouth, Indiana
	Mackenzie Leigh Pogue	Bloomington, Indiana
**	Sydney Anissa Rodenbeck	Avilla, Indiana
	John David Ruckman	Monticello, Illinois
	John Mathews Rupp	Columbus, Indiana
**	Katharine Scarlett Ryan	Thiensville, Wisconsin
*	Jane Candice Sahabu	Brier, Washington

	Tyler Lewis Sariscsany	Jeffersonville, Indiana
**	Nicholas Eugene Saulcy	Bloomington, Illinois
	Zachary Michael Sayre	Indianapolis, Indiana
	Zachary Robert Schmidt	Terre Haute, Indiana
	Caishanggong Shen	Beijing, China
	Kyle Laurence Smerigan	Woodhaven, Michigan
**	Kyle Patrick Steckel	Jerseyville, Illinois
*	Tyler Boyson Stewart	Marion, Iowa
	Samuel Thomas Temple	San Antonio, Texas
*	Corte Nathaniel Trebacz	Fountain Hills, Arizona
	Albert James Okwudili Udom	Danville, California
C**	Wesley Donald Umbower	Valparaiso, Indiana
	Stephen Joseph Varkoly	Neenah, Wisconsin
**	Vivek Mohan Vattyam	Mason, Ohio
**	Brandon Kenneth Volmerding	Fort Wayne, Indiana
*	Bingqing Wang	Dongying, Shandong, China
*	Tianlin Wang	Nanjing, Jiangsu, China
	Philip Michael Wardell	Fort Wayne, Indiana
	Jacob Scott Wilgenbusch	Brookville, Indiana
*	Zachary Kenneth Wilkinson	Marshall, Illinois
**	Katerina Marie Williams	Wichita, Kansas
	Dylan Michael Wilson	Marshall, Illinois
*	Michaela Jean Wilson	Indianapolis, Indiana
**	Carter Abraham Wright	Altoona, Iowa
**	Sichen Zhong	Wenzhou, Zhejiang, China

Double Major in CHEMICAL ENGINEERING and BIOCHEMISTRY & MOLECULAR BIOLOGY

**	Ryan Joseph Vicencio	Pleasanton, California
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Double Major in CHEMICAL ENGINEERING and MATHEMATICS

**	Paige Victoria Bateman	Bridgeton, Missouri
G**	Matthew Stephen Murray	Cincinnati, Ohio

CHEMISTRY AND BIOCHEMISTRY

CHEMISTRY

	Stephen Ian Koos	Terre Haute, Indiana
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BIOCHEMISTRY

*	Connor Thomas Holthouse	Richmond, Indiana
**	Emma Lenore Ross	Milton, Indiana

CIVIL AND ENVIRONMENTAL ENGINEERING

CIVIL ENGINEERING

	Devon Lee Brown	Mooreland, Indiana
	Michael Ray Brown	Oblong, Illinois
C***	Carolyn Akimi Donohoe	San Carlos, California
C*	Isabella Rose Evans	Laguna Niguel, California
	John Clifford Evans	Tuscola, Illinois
	Cole Allen Fiscus	Robinson, Illinois
**	Ethan Allen Flook	Fowler, Indiana
*	Kaelen Blake Garner	Ocean Springs, Mississippi
C	Ian Charles Grafe	Fleetwood, Pennsylvania
	Chenkai Hang	Suzhou, Jiangsu, China
**	Henry Nigel Hensley	Lafayette, Indiana
C	Jacob Thomas Johnson	Prospect, Kentucky
	Kate Rose Kasch	Marengo, Illinois
*	Ethan Glenn Kieffner	Jasper, Indiana
*	Will Klausler	Naperville, Illinois
	Taylor Blake Knoblock	Valparaiso, Indiana
***	Jared Dean Knox	Martinsville, Indiana
*	Alissa Marie Kowalski	Munster, Indiana
	Michael Joseph Landwehr	Tipp City, Ohio
	Elijah-Cole James Lloyd	San Antonio, Texas
	Alexander Lutzow	Petaluma, California
A	Jordan Levi Miller	Crawfordsville, Indiana
**	Zachary Lee Murphy	Casey, Illinois
	Devin Albert Niebrugge	Teutopolis, Illinois
	Carly Hunter Parsons	Indianapolis, Indiana
	James Douglas Portz	Ann Arbor, Michigan
*	Madeline Ann Pritchett	Terre Haute, Indiana
	Madeline Louise Romeo	Woodland Hills, California
	Grant Martin Shortridge	Clinton, Indiana
	Andrew Bryce Snyder	South Bend, Indiana
	Justin Lawrence Vogel	Brazil, Indiana
	Collin Walter Wojcik	Schererville, Indiana
	Guy Barrient Yager	El Portal, California

Anticipated Summer or Fall Completion

CIVIL ENGINEERING

	Junfei Cai	Nanjing, Jiangsu, China
	Ashton Ellyse Foushee	Glasgow, Kentucky
	Seth Edward Knoll	Wharton, Ohio
	Antonio Aaron Martinez	San Antonio, Texas
	Emily Grace Tomey	Zionsville, Indiana

COMPUTER SCIENCE AND SOFTWARE ENGINEERING

COMPUTER SCIENCE

f*	Chauncey James Becker	El Paso, Texas
f	Chase Christopher Bishop	Louisville, Kentucky
*	Luke Zanette Brady	New York, New York
*	Ryan Patrick Coffman	Paris, Illinois
	Anthony Mauricio De Rada	La Paz, Bolivia
**	Shunfan Du	Zhangjiagang, Jiangsu, China
	Zachary Aaron Fairchild	Highland, Indiana
	Yuzong Gao	Shenzhen, Guangdong, China
**	James Coleman Gibson	Richland, Michigan
***	Alexander Grant Goebel	Chagrin Falls, Ohio
	John Connor Hamilton	Rancho Santa Margarita, California
*	Caleb Joshua Henstein	Frankfort, Illinois
	An Hu	Tianjin, China
**	Joshua Steven Laesch	Greenville, Illinois
	Jacob Louis Laird	Sterling Heights, Michigan
	Xiwen Li	Nanjing, Jiangsu, China
	Tong Liu	Beijing, China
**	William David Metcalf	Savoy, Illinois
*	Cameron James Metzger	Westfield, Indiana
**	Alexander Lee Myers	Winchester, Indiana
	Joseph Richard Novosel	Bethesda, Maryland
	Andrew Philip Pokorny	Dublin, California
**	ZhiQiang Qiu	Nanjing, Jiangsu, China
*	Jack William Richard	Noblesville, Indiana
**	Kice David Sanders	Mishawaka, Indiana
	Zachary Paul Schafer	Bronx, New York
	Logan Allen Schiessle	Lowell, Indiana
	Marc Lawrence Schmitt	Chicago, Illinois
	Sabrina Lorraine Wicker	Lexington, Kentucky
*	Justin James Willoughby	Flora, Indiana
**	Xingfang Yuan	Shanghai, China
	Maxim Mokshed Zaman	Moscow, Russian Federation
	Linjie Zha	Changzhou, Jiangsu, China

Two Degrees: COMPUTER SCIENCE and COMPUTER ENGINEERING

***	Zhou Zhou	Beijing, China
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Triple Major in COMPUTER SCIENCE, MATHEMATICS, and ECONOMICS

*	Christopher Michael Knight	Chandler, Arizona
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Triple Major in COMPUTER SCIENCE, SOFTWARE ENGINEERING, and COMPUTATIONAL SCIENCE

***	Lewis Denvir Kelley	Saint Louis, Missouri
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Double Major in COMPUTER SCIENCE and COMPUTATIONAL SCIENCE

*	Daniel Nabil Mikhail	Elgin, Illinois
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Double Major in COMPUTER SCIENCE and MATHEMATICS

**	Austin Paul Derrow-Pinion	Fort Wayne, Indiana
*	Yunyan Ding	Nanjing, Jiangsu, China
f**	Adam Lewis Finer	Blue Ash, Ohio
***	Adam Drake Gastineau	Medway, Ohio
***	Kieran Earley Groble	Lake Zurich, Illinois
**	David Lam	Santa Rosa, California
**	Ethan Owen Petersen	Spring Grove, Illinois
**	Alex Henry Schmalzl	River Forest, Illinois

Double Major in COMPUTER SCIENCE and SOFTWARE ENGINEERING

**	Vibha R Alangar	Strongsville, Ohio
**	Charles Arthur Alexa	Schererville, Indiana
***	Leo David Betts	Lombard, Illinois
*	Ryan Jared DeCramer	Germantown, Wisconsin
**	Justin Matthew Hohl	Middletown, Maryland
**	Lucas Henry Metzger	Terre Haute, Indiana
**	Songyu Wang	Qingdao, Shandong, China

INTERNATIONAL COMPUTER SCIENCE (DUAL BS DEGREE WITH HOCHSCHULE ULM, GERMANY)

Clayton Leroy Chapman	Menomonee Falls, Wisconsin
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SOFTWARE ENGINEERING

	Dalton James Bush	Frankfort, Indiana
	Tevin Michael Crody	Angola, Indiana
	John Charles Fenoglio	Danville, California
	Kennan Travis French	Dayton, Ohio
**	Brendan Jorge Goldacker	Jerseyville, Illinois
**	Eric Steven Haug	Greenwood, Indiana
f***	Johnathon Lloyd Hein	Sterling Heights, Michigan
	Haley Joe Heshelman	Williams, Indiana
*	Joseph Anthony Jagiella	Peru, Illinois
	Josh Charles Nevers	Jacksonville, Florida
	Quinn Gilman Schaffer	Indianapolis, Indiana
*	Michael Oliver Trittin	Lebanon, Indiana
**	Daniel Alexandre Verlaque	New York, New York
**	Fangyuan Wang	Fuzhou, Fujian, China
*	Lucas James Weier	Greenwood, Indiana
	Carli Nicole Weinberg	Schenectady, New York
	Yujia Wu	Nanjing, Jiangsu, China

Triple Major in SOFTWARE ENGINEERING, COMPUTER ENGINEERING, and COMPUTER SCIENCE

***	Qinmao Zhang	Hangzhou, Zhejiang, China
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Double Major in SOFTWARE ENGINEERING and COMPUTATIONAL SCIENCE

Jenner Donlan Wile	Vicksburg, Michigan
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Double Major in SOFTWARE ENGINEERING and COMPUTER SCIENCE

f**	Stefan Michael Brand	Elk Grove Village, Illinois
	James Walter Gildersleeve II	Mesa, Arizona
	Derek Michael Kuhnert	Evansville, Indiana
	Christian Samuel Nunnally	Houston, Texas

Double Major in SOFTWARE ENGINEERING and ECONOMICS

*	Jack Andrew Hallam.	Flossmoor, Illinois
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Anticipated Summer or Fall Completion **COMPUTER SCIENCE**

	Wenkang Dang	Chengdu, Sichuan, China
	Davis William Gilmore	Saint Johns, Florida
	Xingcheng Jiang.	Yangzhou, Jiangsu, China
	Joe Paul Malik IV	St. John, Indiana
	Andrew James McKee.	Ridgefield, Connecticut
	Mitchell Lee Murray Jr.	Zionsville, Indiana
	Tianjia Wang.	Jinan, Shandong, China
	Yue Xu	Suzhou, Jiangsu, China
	Seongjin Yoon	Icheon-si, Gyeonggi-do, South Korea

Triple Major in COMPUTER SCIENCE, SOFTWARE ENGINEERING, and MATHEMATICS

†	Joseph Edward Brown.	Crown Point, Indiana
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Double Major in COMPUTER SCIENCE and COMPUTATIONAL SCIENCE

†	Remy Hunan Bubulka	Naperville, Illinois
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Double Major in COMPUTER SCIENCE and SOFTWARE ENGINEERING

†	Jaron Ray Goodman.	Dugger, Indiana
	Alexa Brooke Pieragowski.	Crestwood, Kentucky

SOFTWARE ENGINEERING

	Michael Anthony Amat	Miami, Florida
	Trevor Davis Bednarek	Muskego, Wisconsin
	Aaradhana Bharill	Mumbai, India
	Ashlee Michelle Boyer	Indianapolis, Indiana
	Jeremiah Nathaniel Caudell.	Middletown, Ohio
	Netta Gneezy	La Jolla, California

ELECTRICAL AND COMPUTER ENGINEERING

ELECTRICAL ENGINEERING

n	Christopher Laurence Baker	Mount Juliet, Tennessee
**	Brayden Alan Betz	Jasper, Indiana
	Tyler Paul Brutofsky.	Madison, Alabama
*	Yifan Chen	Zhengzhou, Henan, China
	Robert Andrew Cogdill	Danville, Indiana
S	Karina Colotl	Kearny, New Jersey

**	Isabella Mari Salamat Cuasay	Bergenfield, New Jersey
	Jada Symoné Davis	Gary, Indiana
S*	Michael Albert Domke	Findlay, Ohio
	Chandler Michael Downs	Greenwood, Indiana
	William Stewart Foster	Indianapolis, Indiana
f*	Tessa Jo Frahm	Arcadia, Wisconsin
	Scott Joseph Gardner	Indianapolis, Indiana
	Brandon Patrick Hull	Greenfield, Indiana
	Brad Allen Koartge	Crown Point, Indiana
S	Alvina Huetten Lee	Seattle, Washington
*	Phillip Henry Lipinski	Katonah, New York
	Yifu Lu	Shanghai, China
*	Peng Luo	Chengdu, Sichuan, China
*	Lauren Teresa Mayfield	Superior, Colorado
	Jonathan Thomas Moore	Glenwood, Maryland
	Brian Edward O'Connor	Bolingbrook, Illinois
**	Andrew Joseph Overhage	Zionsville, Indiana
*	Matthew David Podczewinski	Madison, Indiana
*	Joseph Ramsey Porter	Elberfeld, Indiana
	Joshua Alexander Richey	Stockbridge, Georgia
**	William Phillip Schepers	Celestine, Indiana
*	Weicheng Shi	Nantong, Jiangsu, China
***	William Andrew Small	Piedmont, South Dakota
	Joshua Lee Spalding	Terre Haute, Indiana
	Aaron Edward Starlin	Danville, Indiana
S*	Anthony Ju-Tat Su	Saint Louis, Missouri
S**	Xiaoyang Sun	Wuxi, Jiangsu, China
	Thomas Leland Visnack	Greenfield, Indiana
	Zhang Wen	Jiangdu, Yangzhou, China
**	Shuyue Weng	Fuzhou, Fujian, China
f**	Adam Nathaniel Wiesler	Zionsville, Indiana
***	Jacob Lawrence Wyrick	Fort Wayne, Indiana
G***	Charlotte Ruth Yoder	Brazil, Indiana
f	Yaomin Zha	Suzhou, Jiangsu, China
	Yang Zhang	Wuxi, Jiangsu, China
*	Cong Zhao	Beijing, China
	Zilong Zhou	Beijing, China

COMPUTER ENGINEERING

	Vincent Arthur Anderson	Roscoe, Illinois
	Adam Kenneth Bretsch	Bloomington, Indiana
**	Lingzhe Cai	Hangzhou, Zhejiang, China
	Paul Martin Earhart	Seattle, Washington
	Ryan Keith Evans	Neoga, Illinois
	Haoran Geng	Nanjing, Jiangsu, China
**	Donglai Guo	Beijing, China
f	Sara C Harvey-Browne	Brooklyn, New York
	Alexander Graham Hirschfeld	Rollingwood, Texas
	Benjamin Kaleb Holtzman	Cincinnati, Ohio
*	Curtis Seidel Humm	Silverdale, Washington
*	Benjamin Robert Katz	Los Angeles, California
S*	Sabeeh Ahmed Khan	Plano, Texas

**	Nicholas Benedict Kiesel	Fort Branch, Indiana
f	Dustin David Kline	Fairland, Indiana
	Larry Wayne Kozlowski Jr.	West Terre Haute, Indiana
**	Anthony Lin	Taipei, Taiwan
f***	David Alexander Mehl	Novi, Michigan
f*	Matthew John Morscher	Hilliard, Ohio
	Nicola Renata Mullins	Charleston, South Carolina
**	Joseph Allen Pierce	Lanesville, Indiana
	Avery Lewis Pratt	Fairview Heights, Illinois
*	Tyler Jon Rarick	Baker, Florida
n***	George Fredrick Rung	Mokena, Illinois
*	Chenxu Wang	Zhenjiang, Jiangsu, China
*	Yuchen Wang	Hefei, Anhui, China
*	Zesun Yang	Ningxia, China
*	Zhihong Zhai	Shanghai, China
*	Yuan Zhou	Beijing, China

Two Degrees: COMPUTER ENGINEERING and MATHEMATICS

***	Matthew Edward Moon	Fairport, New York
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Double Major in COMPUTER ENGINEERING and PHYSICS

	Luke Jonathan Kuza	Bloomfield Hills, Michigan
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Anticipated Summer or Fall Completion **COMPUTER ENGINEERING**

	Yvonne Lumetta	Pasco, Washington
	Ximing Ma	Dalian, Liaoning, China
	Joseph Franklin McCormick	Indianapolis, Indiana

MATHEMATICS

MATHEMATICS

	Maxx Joseph Philiposian	Honolulu, Hawaii
*	Han Wei	Jiangmen, Guangdong, China

Double Major in MATHEMATICS and CHEMISTRY

**	Phillip Grafton Shepard	Dayton, Ohio
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Double Major in MATHEMATICS and COMPUTER SCIENCE

*	Yuanqi Li	Qingdao, Shandong, China
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Anticipated Summer or Fall Completion **MATHEMATICS**

	Anna Eirene Scott	Blacksburg, Virginia
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BIOMATHEMATICS

	William Jacob McClure	Cordova, Tennessee
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MECHANICAL ENGINEERING

**	Austin Heath Allen	Danville, Indiana
	Aditya Vipul Ambani	Mumbai, India
**	Alton Lee Anspaugh	Shelbyville, Indiana
	Desiree Danielle Antras	Lawrenceburg, Indiana
	Anthony Lee Apple	Paoli, Indiana
f	Marc William Augustine Jr.	Chicago, Illinois
	Kameron Scott Baker	Danville, Indiana
f***	Arjit Bali	Mumbai, Maharashtra, India
*	Michael Wayne Balistreri	Plano, Texas
*	Matthew Grant Birch	Decatur, Illinois
A	Seth Joseph Boland	Terre Haute, Indiana
	Michael Andrew Boyer	Sheridan, Indiana
f	Morgan Michelle Bramlette	Little Rock, Arkansas
	Benjamin Scott Breece	Charlottesville, Virginia
*	Grant Isaac Brown	Austin, Texas
	Madison Robert Bruner	Fishers, Indiana
	Raymond Benito Gibson Burtnick	Silver Spring, Maryland
	John Thomas Butler III	Plainfield, Illinois
*	Joseph Brian Callahan	Plainfield, Illinois
	Cameron Jack Conn	Cutler, Indiana
**	Nathanael David Coulter	Clinton, Indiana
*	Tristan Michael Cox	Oakwood, Illinois
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	Matthew Leland Dale	Chanhassen, Minnesota
	Joshua Michael David	Crown Point, Indiana
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	Matthew Ray DeClerck	Cordova, Tennessee
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	Maxwell James Dong	Evanston, Illinois
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	Chad Nicholas Estill	Montgomery, Ohio
A	Jared Allan Falk	Indianapolis, Indiana
*	Michel Fahim Farhat	Houston, Texas
	Quinton Michael Fitts	Indianapolis, Indiana
	Lane Michael Geier	Newton, Illinois
**	Karcher John Godfrey	Waukesha, Wisconsin
	Matthew YueYang Guo	Boysds, Maryland
f*	Tyler Andrew Haas	Jasper, Indiana
	Ariella Emma Halevi	Lincolnwood, Illinois
*	Jonathan Hajek Hall	Flagstaff, Arizona
**	Tianhong Han	Beijing, China
	Chase Andrew Harker	Indianapolis, Indiana
**	Chandler Vernon Harkins	Boulder City, Nevada

	Victoria Alexis Heckenlively	Hillsdale, Michigan
	Joshua Jacob Hennig	Springfield, Illinois
*	Mathew Gregory Hill	Connersville, Indiana
	Jiayi Huang	Guangzhou, Guangdong, China
	Shangbao Huang	Greencastle, Indiana
	Michael Angelo Iacono	Harleysville, Pennsylvania
	Dakota Robert Jackson	Elizabethtown, Indiana
	Nathaniel Cole Jackson	King George, Virginia
f***	Taylor Koali'i Chet Jenkins	Kailua, Hawaii
**	Christopher Mathias Johannigman	Greensburg, Indiana
	Keith Edward Jones Jr.	Palmyra, Indiana
*	Shelby Marie Julian	Fallbrook, California
n	Morgan Andrew Kabrich	Westfield, Indiana
**	Kirby Kern	Keller, Texas
	Sun Kyu Kim	Incheon, South Korea
	Tyler Jacob Kollman	Kendallville, Indiana
*	Justin William Krouse	Bloomdale, Ohio
f*	Avery Bennett Garforth Krovetz	Davis, California
**	Michael Frederick Lawrence	Covington, Louisiana
f**	Curt Daniel Lemke	Oconomowoc, Wisconsin
*	Shuangbing Li	Ningbo, Zhejiang, China
	Jacob Keith Lindsey	LaPorte, Indiana
*	Mason Tyler Lott	Pawnee, Illinois
**	Mitchell Evan Lozier	Elkhart, Indiana
	Robert Taylor Means	Johnson City, Tennessee
	Evan Patrick Meredith	Greenwood, Indiana
f	Ryan Keller Murphy	Carbondale, Illinois
	Jaedren Dion Murray	Kansas City, Missouri
	Wesley Antonio Ordoñez	Santa Cruz, Bolivia
	Andrew Philip Peck	Mason, Ohio
***	Turner Scott Perkins	Danville, Indiana
	Meghan Marie Perry	South Bend, Indiana
**	Matthew Auburn Peterson	Zionsville, Indiana
**	Forrest Gary Pommier	Terre Haute, Indiana
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**	Nicholas Lee Prather	Milford, Ohio
	Nicholas Allan Price	Centerville, Ohio
**	Praveen Rammohan	New Hyde Park, New York
f*	Gautam Madhu Rao	Barrington, Illinois
**	Eric Adam Richardson	Knightstown, Indiana
	Bo Hunter Rigger	Avon, Indiana
AF*	Austin Parker Robertson	Effingham, Illinois
*	Jack Andrew Roetker	Lafayette, Indiana
**	Eliska Cerise Saiz	Albuquerque, New Mexico
*	David Whitney Sampsell	Macungie, Pennsylvania
f	Kevin Joseph Schnell	Huntingburg, Indiana
**	Stephen Patrick Schueth	Indianapolis, Indiana
	Andrea Lynn Schultz	Brazil, Indiana
*	Noah Martin Severyn	Blue Ash, Ohio
**	Kimberlee Marta Shaw	Saint Louis, Missouri
*	Amanda Mary Sixt	Orchard Park, New York
	Daniel William Skiroock	Schaumburg, Illinois

	Luke Montane Smith	Syracuse, Indiana
f***	Jin Young Song	Bucheon-si, Gyeonggi-do, South Korea
	Hannah Rose Spiegel	Bloomington, Indiana
	Mark Allen Stamper	Terre Haute, Indiana
*	Austin Rae Stieglitz	Goshen, Indiana
*	Zheng Sun	Shenzhen, Guangdong, China
	Elizabeth Ann Tainer	San Diego, California
*	Alexander James Mackenzie Tester	Garfield Heights, Ohio
**	Alec Ronald Thompson	Clermont, Florida
f	Liah Anne Tresemer	Kent, Illinois
	Tamas Jonathan Truckai	Saratoga, California
	Carley Ann Tuska	Cudahy, Wisconsin
*	Christopher Jeffrey Tuskan	Schererville, Indiana
*	Joshua Donald Vincent	Frankfort, Illinois
	Lars Rolf Wallin	Midland, Michigan
*	Jack Scott Wassom	Bowling Green, Kentucky
**	Austin Matthew Webb	West Lafayette, Indiana
***	Marcus Mitchell Wechselberger	Powell, Ohio
f	Spencer Bradley West	La Porte, Indiana
	Nathan Dale Wible	Wolcottville, Indiana
*	Jedd Stinson Wilder	Chevy Chase, Maryland
f**	Junyi Xiao	Shanghai, China
	Tianzhi Xu	Jiashan, Zhejiang, China
f**	Qifan Yao	Suzhou, Jiangsu, China
	Parker Calin Young	Manhattan, Illinois
**	Qiaojie Zheng	Yangzhou, Jiangsu, China

Double Major in MECHANICAL ENGINEERING and BIOMEDICAL ENGINEERING

**	Caroline Grace Pyne Johnson	Arlington, Virginia
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Double Major in MECHANICAL ENGINEERING and COMPUTER SCIENCE

	Dustin Ray George	Lorena, Texas
*	Rahul Thomas Yarlagadda	Bloomfield, Michigan

Double Major in MECHANICAL ENGINEERING and ECONOMICS

	Miles Conner Denison	Duvall, Washington
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Double Major in MECHANICAL ENGINEERING and ELECTRICAL ENGINEERING

**	Austin John Salisbury	Gurnee, Illinois
**	Cameron Arthur Alan Sickbert	Avon, Indiana
*	Jiazhen Teng	Guangzhou, Guangdong, China

Double Major in MECHANICAL ENGINEERING and MATHEMATICS

**	Qikai Huang	Nanjing, Jiangsu, China
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Double Major in MECHANICAL ENGINEERING and PHYSICS

*	Ian Curtis Mann	Des Plaines, Illinois
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Anticipated Summer or Fall Completion **MECHANICAL ENGINEERING**

	Hannah Grace Burris	Fishers, Indiana
	Colleen Laura Burrows	Charleston, South Carolina
	Miranda Nicole Chastain	Clayton, Indiana
	Edward Jan Akeakamai Turner de Vries	Kailua, Hawaii
	Justin William Dooley	Grayslake, Illinois
	Cobi Steven Ferrario	Cypress, California
	Matthew Joseph Gehrich	Indianapolis, Indiana
	Ian Robert Grant	Libertyville, Illinois
	Eleanor Jane Honious	Indianapolis, Indiana
	Kynon Paul Johnson	Sullivan, Indiana
	Harry Joshua Keller	Whitehall, Michigan
	Daniel Benjamin Kline	Fanwood, New Jersey
	Josh Dongil Kweon	Fairfax, Virginia
†	Andrew James McNany	Middlefield, Ohio
	Theodore Alton Norris	Chicago, Illinois
	Steven Michael Rockenbaugh	Goshen, Indiana
	Nathan Alan Scharpenberg	Bakersfield, California
	Justin Troy Whitaker	Thorntown, Indiana

Double Major in MECHANICAL ENGINEERING and COMPUTER SCIENCE

†	Qi Sun	Shenyang, Liaoning, China
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PHYSICS, OPTICAL ENGINEERING, AND ENGINEERING PHYSICS

PHYSICS

**	Valerie Jo Grafton	Indianapolis, Indiana
	Dylan Jacob Linville	Mentor, Ohio
	Avtej Singh Sethi	Mumbai, India

Double Major in PHYSICS and MATHEMATICS

**	Jacob William Guttman	Connersville, Indiana
*	Natalie Clare Nuessle	Silver Spring, Maryland

OPTICAL ENGINEERING

f**	James Alan Beil	Carmel, Indiana
	Michael John O'Sullivan Butler	Saint Louis, Missouri
	Amelia Beth Covert	Southfield, Michigan
	Taylor Jewel Evans	Lake Tahoe, Nevada
	Nicole Gabriella Gayotin	West Chester, Ohio
	Matthew Davis Hughes	Lake Forest, Illinois
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	Chase Harrison Salyers	Roachdale, Indiana
**	Rebecca Brooke Swertfeger	Cincinnati, Ohio
	Kailing Yang	Chengdu, Sichuan, China

ENGINEERING PHYSICS

- ** Cameron Joseph Hart Hilliard, Ohio
f Merek Evan Hennelly Carrollton, Georgia
Diming Xu Nanjing, Jiangsu, China

Double Major in ENGINEERING PHYSICS and MATHEMATICS

- *** Rachel Ann Broughton. Libertyville, Illinois

Double Major in ENGINEERING PHYSICS and OPTICAL ENGINEERING

- * Lisa Shimomoto Gaithersburg, Maryland

In Memoriam:

Ben Chilton—Class of 2018

July 19, 1996 - September 18, 2016

"Always In Our Thoughts, Forever In Our Hearts."

Ben was so proud to become a part of the Rose-Hulman family. He would have been so happy to celebrate this day with his friends and fellow classmates. We knew Ben would make life-long friendships at Rose. We are very proud of Ben's accomplishments, the friendships he made, and the memories he left behind for us to treasure and share.

Many thanks to Rose-Hulman for your love and support.

Charles, Sandy, and Katie Chilton

MASTER DEGREES

MASTER OF CIVIL ENGINEERING

f	Kristen Kate Belyea	Mahomet, Illinois
	Jace Nicholas Kempen	Mahomet, Illinois
f	Derek Robert Lam	Boerne, Texas
	Annemarie Lillian Riecken	Indianapolis, Indiana
	Yuezhi Yuan	Chengdu, Sichuan, China

MASTER OF CHEMICAL ENGINEERING

n	Lucinda Elizabeth Combs	Danville, Kentucky
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MASTER OF ENGINEERING MANAGEMENT

	Cody James Breeding	Brownstown, Indiana
	Wenhanke Li	Deyang, Sichuan, China
	Chengjun Liang	Chengdu, Sichuan, China
	Christine Elizabeth Engle Rollins	Springfield, Ohio
n	Haoxiang Song	Nanjing, Jiangsu, China

MASTER OF SCIENCE

BIOMEDICAL ENGINEERING

	Sonia Sanchez	Hammond, Indiana
	<i>Verification and Validation of Forces from Hippotherapy Rein Simulator</i>	
	Thesis Advisor: Professor Renee Rogge	

CHEMICAL ENGINEERING

a	Matthew Elliott Adams	Oswego, Illinois
	<i>Current State of the Assets in the Chemical Engineering Laboratory at Rose-Hulman Institute of Technology and Their Use in the Undergraduate Laboratory Course Sequence</i>	
	Thesis Advisor: Professor Atanas Serbezov	
f	Ross Bradley Chongson	Marysville, Ohio
	<i>Nanoparticle Chemical Sensors: A Study on Optical Humidity Sensor Design</i>	
	Thesis Advisor: Professor Adam Nolte	

- a Michael Anthony Samp. Lisle, Illinois
*Sodium Alginate Toughening of Gelatin Hydrogels and
 Elucidation of Possible Mechanisms*
 Thesis Advisors: Professor David Henthorn and Professor Adam Nolte

CHEMISTRY

- f Richard Bruce Clark III Greenwood, Indiana
Comparison of Processed and Non-Processed Biomass Digestion
 Thesis Advisor: Professor Rebecca DeVasher

ELECTRICAL ENGINEERING

- AF Zachary Thomas Bergstedt Carlsbad, California
Differential Launch Structures and Common Mode Filters for Planar Transmission Lines
 Thesis Advisor: Professor Edward Wheeler
- Hang Du Wuhan, Hubei, China
*Long-Range Indoor Emitter Localization
 from 433MHz and 2.4GHz WLAN Received Signal Strengths*
 Thesis Advisor: Professor JianJian Song
- Joseph Michael Faia Fox Lake, Illinois
*Harmonic Detection and Selectively Focusing Electromagnetic Waves
 onto Nonlinear Targets Using Time-Reversal*
 Thesis Advisor: Professor Edward Wheeler
- Yujie He Shanghai, China
*New Broadband Common-Mode Filtering Structures Embedded in
 Differential Coplanar Waveguides for DC to 40GHz Signal Transmission*
 Thesis Advisor: Professor Edward Wheeler

ENGINEERING MANAGEMENT

- Daniel David Reid Ferguson. Brownsburg, Indiana
Utilizing Analytics in American Football to Improve Decision Making on Fourth Down
 Project Advisor: Professor Diane Evans
- f Christina Mae Gutman Menomonie, Wisconsin
*Impact of Culture of Quality and Quality Tools
 on Organizations' Manufacturing Quality*
 Project Advisor: Professor Craig Downing

- f Taehoon Lee Ulsan, South Korea
*Process Safety Management:
Optimized Models Influenced by Organization Culture*
Project Advisor: Professor Craig Downing
- Tyler Joe Miller Brazil, Indiana
*Developing and Validating a New Product
for Gripping and Pulling Cable*
Project Advisor: Professor Thomas James
- Sanukta Mylandla Chennai, Tamil Nadu, India
Increasing Food Sharing in a Pre-K-8 School Cafeteria with Six Sigma
Project Advisor: Professor Diane Evans
- Olivia Katherine Ottone Carlsbad, California
*Investigation of Gender Bias among Students and Faculty
at a Small, Private STEM College*
Project Advisor: Professor Craig Downing
- f Zhengfeng Shao Wuxi, Jiangsu, China
*Casting Process Improvement:
A First Step into Culture of Measurement*
Project Advisor: Professor William Kline

MECHANICAL ENGINEERING

- Hazen James Hamather Indianapolis, Indiana
Gait Modeling Using Genetic Algorithm Optimized Four-Bar Linkages
Thesis Advisor: Professor Bradley Burchett
- a Dustin Taylor Shoulders Kannapolis, North Carolina
*Derivation of an Iterative Kinematic Solver
for Double Wishbone Style Independent Suspension Systems*
Thesis Advisor: Professor John Mirth
- Spencer Davis Wright Chesterton, Indiana
*Aquaponic System Design and Modeling Ammonia Production:
An Overview of Aquaponics*
Thesis Advisor: Professor Zachariah Chambers

OPTICAL ENGINEERING

- a Yuxuan Liu Shanghai, China
Design and Implementation of a Microscope Based on Magneto-Optic Effects
 Thesis Advisor: Professor Maarij Syed
- a Tahereh Naderishahab Hamedan, Iran
*Nanoscale Tilt Measurement Using a Cyclic Interferometer
 with Phase Stepping and Multiple Reflections*
 Thesis Advisor: Professor Charles Joenathan

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

- a Jinho Bae Seoul, South Korea
*Integrated Controller Design
 to Fabricate Large Area by the Processing-on-the-Fly*
 Thesis Advisor: Professor Michael McInerney
- Deepak Charles Baskar Erode, Tamil Nadu, India
Gain Modeling of Erbium-Doped Fiber Amplifiers Pumped at 980nm
 Thesis Advisor: Professor Sergio Granieri
- n John-Michael Juneau Reno, Nevada
The Simulation, Design, and Fabrication of Optical Filters
 Thesis Advisor: Professor Richard Liptak
- a Minsu Oh Bucheon-si, Gyeonggi-do, South Korea
*Study of Cu/SiO₂/Cu Metamaterials:
 Design, Simulation, Fabrication, Testing, and Optical Applications*
 Thesis Advisor: Professor Richard Liptak
- f Yeongho Park Seoul, South Korea
Fabrication and Characterization of Thermo-Optic Mach-Zehnder Silicon Modulator
 Thesis Advisor: Professor Azad Siahmakoun
- n Austin Murphy Scott Natchitoches, Louisiana
*Construction and Passive Q-Switching of a Ring-Cavity Erbium-Doped Fiber Laser
 Using Carbon Nanotubes as a Saturable Absorber*
 Thesis Advisor: Professor Sergio Granieri
- f Dong Hwan Sin Seoul, South Korea
*A Study on the Dynamic Characteristics of High-Speed Winding Machinery
 by FE Analysis for Its Resonance Avoidance Design*
 Thesis Advisor: Professor Azad Siahmakoun

SYSTEMS ENGINEERING AND MANAGEMENT (INTERNATIONAL PROGRAM)

- Anthony Michael Adamo Chino, California
*Trajectory Generation and Control of
a Mobile Robot for Radar Target Simulation*
Thesis Advisor: Professor Daniel Moore
- n Benedikt Bäumlér Graben, Germany
Automation Hardware Architecture System Modeling and Design for 4-Stroke Diesel Engines
Thesis Advisor: Professor Daniel Moore
- f Jakob Mayer Erolzheim, Germany
*Development of Clutch Adaption Algorithms
for Automatic Transmission Control Software with International Cooperation*
Thesis Advisor: Professor Daniel Moore
- f Manuela Zeller Schrobhausen, Germany
*Improvements in Spectrum Monitoring by Low Level Data Integration of Radar,
Electronic Support Measures on Single and Multiple Airborne Platforms*
Thesis Advisor: Professor Daniel Moore

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Eston L. "Bud" Perry (Emeritus)	Terre Haute, Indiana
John W. "Jack" Ragle, HD (Life Member)	Terre Haute, Indiana
Robert L. Royer (Emeritus)	Louisville, Kentucky
John N. Royse, HD (Emeritus)	Terre Haute, Indiana
Donald W. Scott (Emeritus)	Terre Haute, Indiana
Charles L. "Chuck" Sigman, MBA (Alumni Representative)	McLean, Virginia
P. Carter Smith, HD (Emeritus)	Dahlonega, Georgia
Michael D. Thomas, MBA, HD (Emeritus)	Birmingham, Michigan
Jimmie J. Trueblood	Columbus, Indiana
D. James Umpleby III, HD	Deerfield, Illinois
Maria Vaz, PhD	West Bloomfield, Michigan
Linda E. White, MBA	Newburgh, Indiana
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