

5-30-2015

2015 Rose-Hulman Institute of Technology : One-Hundred and Thirty-Seventh Commencement

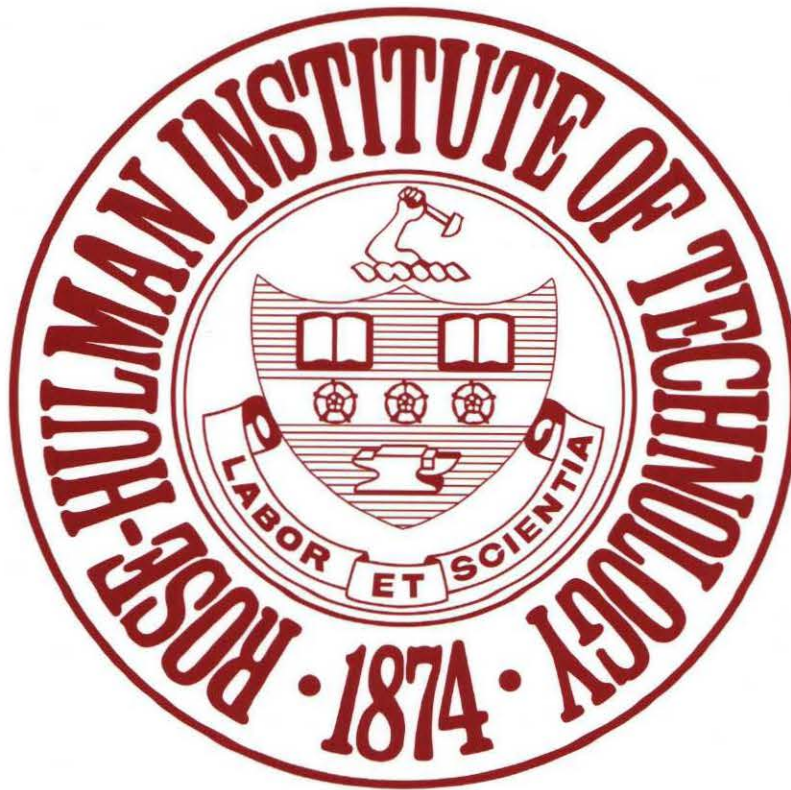
Rose-Hulman

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ONE HUNDRED AND THIRTY-SEVENTH COMMENCEMENT
MAY 30, 2015

2015 Commencement Program

Prelude	White Chapel Brass
Academic Procession	Peter A. Gustafson, BS, MS <i>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 the Indianapolis Emerald Society Firefighters Bagpipers
National Anthem	Rose-Hulman Performing Arts Ensemble
Invocation	Kylie M. McCollum <i>Past President, Student Government Association</i>
Welcome	James C. Conwell, BS, MS, PhD, PE <i>President</i>
Comments from Senior Class	Alexander J. Vasko <i>President, Senior Class</i>
Awarding of Heminway Medal	Phillip J. Cornwell, BS, MS, PhD <i>Vice President for Academic Affairs and Professor of Mechanical Engineering</i>
John T. Royse Award	Peter A. Gustafson
Herman A. Moench Distinguished Senior Commendation	Keith E. Hoover, BS, MS, PhD <i>Professor of Electrical and Computer Engineering</i>
Outstanding Graduate Thesis Award	Azad Siahmakoun, BS, MS, PhD <i>Associate Dean of Faculty and Professor of Physics and Optical Engineering</i>
Introduction of Honorary Degree Recipient	Niles L. Noblitt, BS, HD '96 <i>Member, Board of Trustees</i>
Awarding of Honorary Degree	James C. Conwell
Introduction of Honorary Degree Recipient	Gregory L. Gibson, BS <i>Member, Board of Trustees</i>
Awarding of Honorary Degree	James C. Conwell
Introduction of Commencement Speaker	William M. Olah, BS, JD <i>Member, Board of Trustees</i>
Commencement Address	Michael A. Mussallem, BS, HD '99 <i>Chairman & Chief Executive Officer, Edwards Lifesciences</i>
Presentation of Fifty-Year Commemorative Degrees	James C. Conwell
Conferring of Undergraduate Degrees	James C. Conwell
Conferring of Master's Degrees	James C. Conwell
Recognition of Students Anticipating Degrees	James C. Conwell
Greeting from Alumni	Tracey L. Lockhart, BS <i>President, Alumni Association</i>
President's Outstanding Service Award	James C. Conwell

Dean's Outstanding Teacher Award	Richard E. Stamper, BS, MS, PhD, PE <i>Dean of Faculty and Professor of Mechanical Engineering and Engineering Management</i>
Board of Trustees' Outstanding Scholar Award	Donald M. Ings, BS, HD '99 <i>Chairman, Board of Trustees</i>
Introduction of President	Donald M. Ings
President's Remarks	James C. Conwell
"Alma Mater"	Andy Mech, BS, MS, PhD <i>Professor of Mechanical Engineering</i>
Benediction	Vashon Solomon <i>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.

Commencement Speaker

Michael A. Mussallem

Chairman & Chief Executive Officer, Edwards Lifesciences

Michael Mussallem, a 1974 chemical engineering graduate and recipient of a Rose-Hulman honorary doctorate in 1999, leads one of the world's most dynamic and successful health care companies in the vitally important field of medical devices.

Mussallem has been chairman and CEO of California-based Edwards Lifesciences since the company spun off from Baxter International Inc. 15 years ago. He joined Baxter in 1979 and would advance to lead several of the company's divisions, including the cardiovascular business and the biopharmaceutical business, and was chairman of the Asia-Pacific Board, overseeing Baxter's operations throughout Asia.

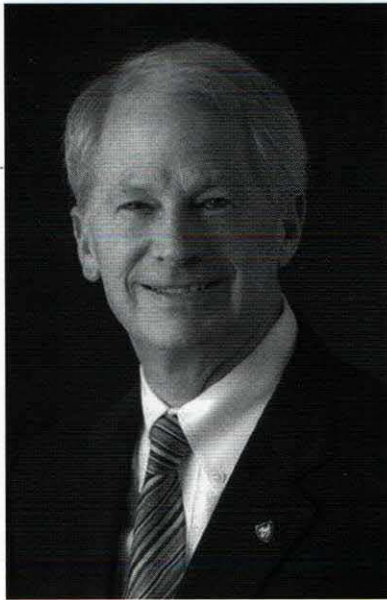


But leading a team of energetic, creative innovators at Edwards focused on addressing unmet patient needs would prove to be the perfect role for Mussallem. Under his leadership, Edwards has become a global leader in the science of heart valves and critical care monitoring, with extensive manufacturing operations in North America, Europe, Singapore, and the Caribbean. The company is guided by a strategy focused on creating value with therapies that transform patient care. In 2011, for example, Edwards received long-awaited Food and Drug Administration approval for the country's first transcatheter aortic heart valve, a truly revolutionary way to treat heart disease without invasive, open-heart surgery. Now, more than 100,000 patients around the world have been treated with Edwards' transcatheter aortic valves, and Edwards continues to invest heavily in research and development to support focused innovation that will extend the company's leadership and fuel growth.

Under Mussallem's guidance, Edwards has been a business success story, as well. Many of Edwards' market-leading therapies and technologies, which are sold in approximately 100 countries, are considered industry "gold standards." More than 95 percent of the company's sales are from products in leading market positions. When Baxter spun off the company in 2000, Edwards' stock traded for less than \$8 per share. Today, a share costs more than \$140, a rate of return far surpassing the S&P 500 and Dow Jones indices. In just this last year, Edwards' market value as a public company has doubled.

This success has also enabled Edwards' commitment to charitable giving and participation in philanthropic causes. In 2014, global donations from the Edwards Lifesciences Foundation to non-profit organizations around the world exceeded \$8 million.

Apart from leading a global company of more than 9,000 employees, Mussallem has taken a leading role in U.S. health care reform, speaking on behalf of medical device manufacturers as past chairman of the California Healthcare Institute and past chairman and current executive committee member for AdvaMed, the Advanced Medical Technology Association. He also serves on the board of the Healthcare Leadership Council, is an advisory board member for the Leonard D. Schaeffer Center for Health Policy and Economics at the University of Southern California and is a trustee of the UC Irvine Foundation.



Honorary Degree

Honorary Doctor of Engineering Thomas Dinkel

President & Chief Executive Officer, Sycamore Engineering

A life of servant leadership, guided by his Christian heritage, has made Thomas T. Dinkel, a 1972 Rose-Hulman mechanical engineering graduate, an obvious choice for an honorary doctorate of engineering from his alma mater.

Apart from his numerous successful business roles, Dinkel has been a positive, guiding presence in a number of Terre Haute-area not-for-profit organizations and has helped guide Rose-Hulman as treasurer of the Board of Trustees. So extensive are his involvements, Tom Dinkel was distinguished in December with the Chapman S. Root Award, one of the most prestigious public service honors in the Wabash Valley, a recognition he shares with only two dozen others, including former Senator Richard Lugar and former Senator and Governor Evan Bayh.

Dinkel, who still works as a practicing engineer on a daily basis, is president/CEO of Sycamore Engineering, a commercial and industrial construction company employing more than 170 people; Dinkel Associates, a mechanical and electrical engineering design company; Sycamore Building Corporation, a real estate company; and Dinkel Telekom, a telecommunications company specializing in DC power system installations. In addition, Dinkel is a licensed professional engineer in Indiana, Illinois, and Florida, and a licensed mechanical and electrical contractor.

Currently, Dinkel serves on the board and is chairman of the audit committee of the publicly traded First Financial Corporation based in Terre Haute, consistently one of the top-rated financial institutions in its peer group.

A proponent of improving economic opportunities and quality of life in the Wabash Valley, Dinkel has served as president/chairman of the board for several local organizations, including the Terre Haute Chamber of Commerce, Terre Haute Economic Development Corp, Wabash Valley Community Foundation, Terre Haute YMCA, Country Club of Terre Haute, Community Chest, Terre Haute North Vigo High School Athletic Booster Club, Strawberry Hill Cannoneers, Alpha Tau Omega Fraternity Board of Managers, and the Rose-Hulman Alumni Association. He also serves as a member of the finance committee for Saint Benedict's Church.

A 1968 graduate of Terre Haute's Schulte High School and a Terre Haute native, Dinkel has been married to his wife, Susie, for 41 years. They have three children, Sara Smith, Lyndsey Bartlett, and Tyler Dinkel.

Honorary Degree

Honorary Doctor of Engineering

Carl Cook

Chief Executive Officer, Cook Group

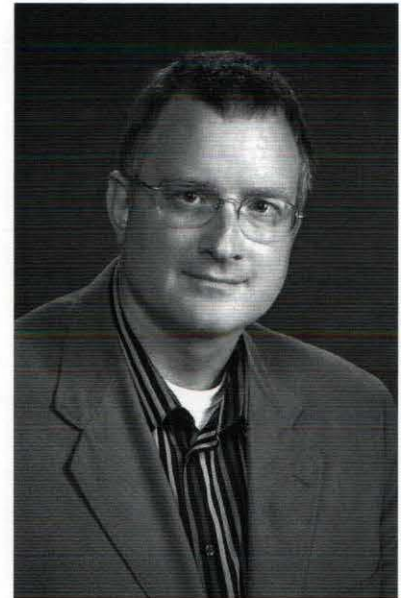
Carl Cook, a member of the Rose-Hulman Board of Trustees, leads one of the largest privately-held medical device companies in the world. Cook took over as Chief Executive Officer of the Cook Group in 2011 and continues to lead the Bloomington-based business to new innovations and success in the evolving health care industry.

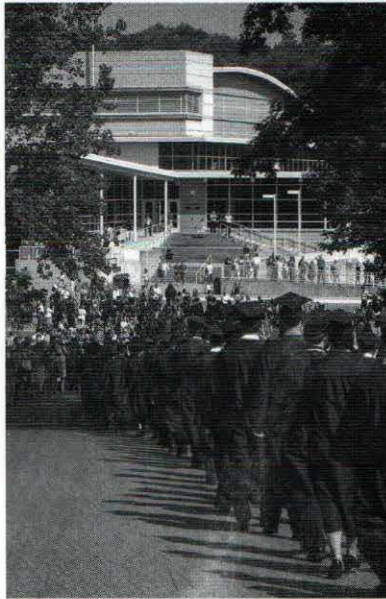
Started by his father, Bill Cook, in a spare bedroom in a southern Indiana apartment in 1963, the Cook Group of businesses is dedicated to developing health care devices that improve the lives of people around the globe. Under Carl Cook's leadership, the company continues to broaden the horizons of medical device development.

Since graduating from Purdue University in 1985 with a degree in electrical engineering and earning an MBA from the University of Iowa two years later, Cook has assisted in the vital work of cardiac pacemaker development and the development of Cook's Doppler blood flow monitors at Cook Vascular in Pennsylvania. He also served the family business in production at Cook Endoscopy in North Carolina. More recently, he served as Chief Operating Officer and Chairman of the Cook Group.

Like his father and mother, Gayle Cook, Carl Cook has an intense commitment to historic preservation. He serves as chairman of Indiana Landmarks, the largest statewide historic preservation group in the United States. Additionally, under his leadership, the Cook Group has conducted major historic renovation projects including the stunning West Baden Springs Hotel and the French Lick Springs Resort Hotel in southern Indiana, the Yoho General Store in Solsberry, Indiana, the Tivoli Theatre in Spencer, and the Central United Methodist Church in Indianapolis, among many others.

A member of the Rose-Hulman board of trustees since 2009, Cook is a champion for education in his home state. Soon after becoming CEO of the Cook Group, he donated \$500,000 to Rose-Hulman for the construction of the William Alfred Cook Laboratory for Bioscience Research. Announcing the donation, Cook noted that the state-of-the-art facility reflected his late father's commitment to cross-disciplinary endeavors, including using engineering technology to solve complex problems in the field of internal medicine. The Cook laboratory has opened new doors and opportunities for hands-on research involving plant life for Rose-Hulman students.





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 honorary.

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

Master Thesis or Engineering Management Project indicated in *italics*

Graduation Date Designations

Special codes indicate students who completed their degree requirements prior to May 30, 2015.

Those designations are:

a	August 30, 2014
n	November 24, 2014
m	March 2, 2015

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 1965 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 1965 returned to campus for today's ceremony:

Class of 1965 Members Attending Commencement 2015

John Boyer
Peter Canalia
Ronald Esserman
Terrence Fenimore
Michael Francis
Joseph Griffin
Elmer Guerri
Jerry Massa
Roy Mueller
David Nancrede
James Wadsworth

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.

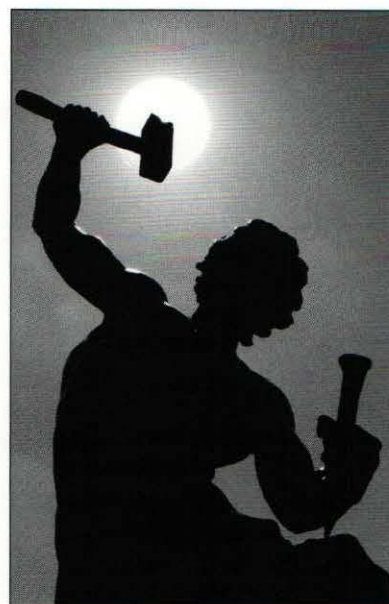
The school grew from its original class of 25 students to more than 200 by 1903, educating them in five engineering curricula: mechanical, civil, electrical, architectural and chemical. As the first private engineering college west of the Allegheny Mountains, the school provided a rigorous curriculum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

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), which was donated by the Hulman family. Classroom and residential buildings began to be constructed, and campus life officially began with athletics, Greek life, musical organizations and publications available to students.

Campus did not change too much from 1900 to 1961, with enrollment remaining around 300 to 400 students, but degree programs in mathematics, physics and chemistry were added in 1958. Beginning about 1962, however, dramatic changes began as campus facilities expanded to include the Hulman Union and new housing facilities, as well as a recreation center. The Hulman family continued their tradition of philanthropy, turning over the assets of their foundation in 1971, and that is when the college was renamed 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 2,100 students.

The college's reputation has been strong since its inception and continues to grow. For the past 16 years, Rose-Hulman has been ranked number one by engineering educators as the nation's best college or university that offers the bachelor's or master's degree as its highest degree in engineering, according to America's Best Colleges guidebook, published annually by *U.S. News & World Report*. Rose-Hulman is also recognized internationally through its relationships with universities in countries such as Germany, Russia, Ireland, Japan, South Korea, and China.





Candidates for Degree

BACHELOR OF SCIENCE

BIOLOGY AND BIOMEDICAL ENGINEERING

BIOLOGY

	Braxton Kenneth Carter	Bloomington, Illinois
	George Thomas Conway	Prospect, Kentucky
*	Briana Nicole Harvey	Clinton, Indiana
*	Adam Wesley Zigler	Fillmore, Indiana

BIOMEDICAL ENGINEERING

	Kathleen Faye Aburano	Glenview, Illinois
*	Jessica Marie Ahlborn	Houghton, Michigan
	Jared Michael Beams	Fremont, Indiana
**	Kevin Michael Becker	Loveland, Ohio
**	Erin Ruth Campbell	Rising Sun, Indiana
**	Sarina Chawla	Neenah, Wisconsin
*	Mackenzie Leigh Christensen	Oconomowoc, Wisconsin
*	Caitlin Amanda Clarke	Beavercreek, Ohio
*	Lauren Michelle Dobias	Fishers, Indiana
	Julia Isabel Douglas	Gladwin, Michigan
m	Suzanne Marie Eisenberger	Clarence Center, New York
	Jeffrey Byron Elliott	Okeana, Ohio
***	Zachary Scott Erba	Winona Lake, Indiana
	Grace Elizabeth Gibbs	Parker, Colorado
m**	Daniel Prendergast Griffin	Barrington, Illinois
	Jing Guo	Wuxi, China
m G*	Austin John Hayhurst	Newburgh, Indiana
	Sarah Elizabeth Hensley	Linton, Indiana
**	Nicholas Adam Heshelman	Plainville, Indiana
**	Celeste Lorraine Kline	Terre Haute, Indiana
	Philip Eugene Kwasi Koranteng	Sterling, Virginia
***	Andrew Gust Koustenis, Jr.	Noblesville, Indiana
m	Jacob Evan Lueck	Monrovia, Maryland
	Brian Christopher Ruane	Geneva, Illinois
	Ryan Benson Seale	Owensville, Indiana
**	Alexander John Vasko	Columbus, Ohio
**	Stephen Wilmer Wang	Mason, Ohio
	Megan Konrad Weinzapfel	Evansville, Indiana
**	Adam Joseph Wertz	Zionsville, Indiana
*	Ryan Matthew Zigler	Fillmore, Indiana

Double Major in BIOMEDICAL ENGINEERING and ECONOMICS

Bilguun Tsogtbaatar Brownsburg, Indiana

Double Major in BIOMEDICAL ENGINEERING and MECHANICAL ENGINEERING

A** Frederick Jacob Kundert Franklin, Tennessee

CHEMICAL ENGINEERING

Zeyad Abed Al Musallam Dammam, Saudi Arabia
 * Abdullah Nasser Alaskar Riyadh, Saudi Arabia
 Victoria Michelle Alden Cicero, Indiana
 ** Abdulrahman Nasser Alhizami Alkhubar, Saudi Arabia
 David Andrew Arriaga Westfield, Indiana
 * Andrew James Bartush Granger, Indiana
 Maxwell Dyker Brown Atlanta, Georgia
 Allison Marie Carlson Portsmouth, Virginia
 Ronald Eugene Carroll, Jr. Lexington, Kentucky
 ** Alexander Dean Clayton Streator, Illinois
 Emily Jane Cottingham West Chester, Ohio
 *** Matthew James Crisler Lake Zurich, Illinois
 Emily Nicole Davis Greenwood, Indiana
 Deanne Marie De Keizer Mishawaka, Indiana
 ** Wade Reece Eberly South Whitley, Indiana
 ** Jose Luis Escandon Richland, Michigan
 ** Zhengyuan Fang Jinan, China
 A G* James Edward Files Oak Park, Illinois
 ** Emma Fitzpatrick Ionia, Michigan
 Catherine Ann Fiutem Harrison, Ohio
 Samuel Thomas Geist Goodlettsville, Tennessee
 * Mitchell Patrick Gillen Macon, Illinois
 Patrick John Hartnett Miami, Florida
 * Rebecca Anne Hecht Bexley, Ohio
 Alyse Shalee Henson Monrovia, Indiana
 * Kayla Marie Hiatt Noblesville, Indiana
 Joshua Evan Hojnacki La Porte, Indiana
 ** Brent Joseph Hukill Franklin, Indiana
 * Rachael Elizabeth Ilic Solon, Ohio
 *** Sarah Catherine Jensen Overland Park, Kansas
 Samuel Clayton Jordan Cloverdale, Indiana
 Jacob Scott Kabealo South Pasadena, California
 ** Soo Jin Kim Ilsan, South Korea
 ** Dustin Charles Lehmkuhl Beech Grove, Indiana
 n C* David Dalton Lentz Franklin, Tennessee
 Garrett Lewis Pittsburgh, Pennsylvania
 * Megan Elaine Liebman Wheaton, Illinois
 ** Leah Stephanie Markowitz Crown Point, Indiana
 ** Morgan Brittany Mayfield Springfield, Illinois
 * Kylie Marie McCollum Lee's Summit, Missouri
 Andrew Richard Miller West Chester, Ohio
 John Nelson Milner Ridgeville, Indiana

**	Jordan Alexander Muth	Greenwood, Indiana
**	Haley Michelle O'Neil	Batavia, Illinois
*	Monica Kathryn Paik	Lima, Ohio
*	Matthew Nicholas Palla	Monticello, Illinois
	Pun Pasidparchya	Chicago, Illinois
	Samantha Ann Peters	Grove City, Ohio
*	Dalton Quinn Pickens	Newton, Illinois
*	Jesse James Renfroe	Newton, Illinois
	Eric John Schaible	Findlay, Ohio
*	Jacob Arthur Sexton	Findlay, Ohio
	Travis Thompson Shepherd III	Franklin, Indiana
	Noura Sleiman	Aitoo, Lebanon
**	John Edward Stephani II	Portage, Michigan
	Andrew James Strebing	Noblesville, Indiana
	Anna Elizabeth Taylor	Owensboro, Kentucky
	Jennifer Belle Tribble	Galena, Ohio
	Peter David Vannauker	Kingwood, Texas
	Lindsay Anne Vencel	Clay City, Indiana
*	Stephen Thomas Walsh	Franklin, Tennessee
**	Yi Wan	Chengdu, China
**	Kathryn Joanne Westbrook	Marion, Ohio
**	Rosemary Katherine Yost	North Canton, Ohio

Two Degrees: CHEMICAL ENGINEERING and MATHEMATICS

***	Matthew Ryan Billingsley	Moline, Illinois
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Two Degrees: CHEMICAL ENGINEERING and MECHANICAL ENGINEERING

*	Katrina Marie Brandenburg	Scipio, Indiana
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Double Major in CHEMICAL ENGINEERING and CHEMISTRY

*	Laura Maureen Danhauer	Barrington, Illinois
***	David Michael Harvey	Marion, Indiana

Double Major in CHEMICAL ENGINEERING and COMPUTER SCIENCE

*	Jonathan William Pearson	Dayton, Ohio
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CHEMISTRY AND BIOCHEMISTRY

CHEMISTRY

	Kassandra Nicole Hensley	Pine Village, Indiana
	Julia Lauren Kubisz	Highland, Indiana
**	Matthew David McDonald	Naperville, Illinois

Double Major in CHEMISTRY and BIOCHEMISTRY & MOLECULAR BIOLOGY

m G*	Alison Margaret Chartier	Shelby Township, Michigan
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BIOCHEMISTRY

n	Bianca Ellen Maled	Camby, Indiana
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CIVIL ENGINEERING

	Jacob Allen Althouse	Converse, Indiana
C***	Morgan Rae Anderer	Clinton, Pennsylvania
	Caleb James Apker	Aurora, Illinois
	Elizabel Evelyn Carrillo	Lafayette, Indiana
**	Todd A Clapp	Sugar Grove, Illinois
	Douglas Gregory Collett	Terre Haute, Indiana
	Ila Louise Creekbaum	West Terre Haute, Indiana
*	Kevin Alan Dorn	San Jose, California
	Zachary Robert Ehlers	Cullom, Illinois
	Eric Michael Fair	Terre Haute, Indiana
	Thomas Louis Glardan	Kettering, Ohio
	Jacob Heath Gould	Greencastle, Indiana
	George Edward Green	Brownsburg, Indiana
*	John Edward Horvet	Flora, Illinois
	Kyle Thomas Kraus	Greenwood, Indiana
	Ethan Frederick Kroh	Wabash, Indiana
	Robert Alan Larson	Edina, Minnesota
**	Mengzhen Lei	Jiangsu, China
	Benjamin Michael Meadows	Greensburg, Indiana
	Marlo Elaine Niverson	Fairmount, Indiana
**	Kendal John Rosenbaum	Campbellsburg, Indiana
C	Sunil Satish	Jessup, Maryland
*	Ashley Rebecca Schumacher	Saint Louis, Missouri
C**	Jia Shen	Shanghai, China
**	Brian Joseph Soller	Indianapolis, Indiana
	Samantha Joy Springer	Irving, Texas
	Austin Charles Thomas	Wapwallopen, Pennsylvania
*	Michael Joseph Timko	Brownsburg, Indiana
	Joseph Harrel Tumey IV	Columbus, Indiana
	Bowen Xiang	Nanjing, China

Two Degrees: CIVIL ENGINEERING and MATHEMATICS

C**	Sijun He	Shenzhen, China
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Double Major in CIVIL ENGINEERING and COMPUTATIONAL SCIENCE

**	Louis Oren Vaught	Chapel Hill, North Carolina
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COMPUTER SCIENCE AND SOFTWARE ENGINEERING

COMPUTER SCIENCE

	Spencer Raymond Alves	Claremont, California
	Christopher Dean Debiccari	Campbell, California
*	Xiaohan Ding	Hangzhou, China
**	Katelyn Marie Dion	Simi Valley, California
m	Ziyang Huang	Terre Haute, Indiana
m**	Jacob Andrew Oakes	Hagerstown, Indiana
***	Lance Patrick Riechel	Snohomish, Washington

Zoe Anastasia Rudich.....Ray, Michigan
 Sydney Monroe Satchwill..... Indianapolis, Indiana
 Eric Matthew Yuhass Fremont, Ohio

Two Degrees: COMPUTER SCIENCE and MECHANICAL ENGINEERING

** Dillon Scroggin Winston Salem, North Carolina

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

Corey Joshua Alexander.....Highlands Ranch, Colorado

Double Major in COMPUTER SCIENCE and COMPUTER ENGINEERING

** William Alexander Brophy Rumson, New Jersey

Double Major in COMPUTER SCIENCE and ECONOMICS

* Grant Bradley Smith..... Angola, Indiana

Double Major in COMPUTER SCIENCE and MATHEMATICS

Benjamin Joseph Coble Indialantic, Florida
 ** William Albert D'Attilio Monroe, Ohio
 * Kyle Hayden Dooley Granger, Indiana
 ** Anthony Jacob Piergiovanni Nazareth, Pennsylvania
 Davis Preston Robinson Franklin, Tennessee

Double Major in COMPUTER SCIENCE and SOFTWARE ENGINEERING

Ethan Garrett Campbell..... Poplar Bluff, Missouri
 Jeffrey Kimball Carter Madison, New Jersey
 ** Brandon Christian Cox Greenfield, Indiana
 ** Kenneth Seldon Faulkner..... Indianapolis, Indiana
 * Eric James Guilford..... Guilford, Indiana
 * Chadwick David Allen Jones..... Scottsburg, Indiana
 ** John Ilija Krasich..... Terre Haute, Indiana
 Brodie Marmion Lockard Kentfield, California
 * Christopher Eugene O'Hara Warsaw, Indiana
 ** Brian Thomas Padilla Sylmar, California
 * Peter Jovan Savkovich..... Louisville, Kentucky
 *** Dharmin Kamlesh Shah..... Newburgh, Indiana
 * Richard Tarrant Shomer III..... Lansing, Illinois
 * Theodore John Sterne III Evansville, Indiana
 ** Devon Glenn Timaeus Richwood, Texas

SOFTWARE ENGINEERING

* Jonathan Andrew Earles.....Houston, Texas
 David Schwalbe Gartzke New Glarus, Wisconsin
 Gabriel Sackett Glenn..... Novi, Michigan
 Ian Michael-Patrick Hallam Jonesboro, Illinois
 Logan Thomas Hallowell.....Macungie, Pennsylvania
 * Scott Arden Harris Fort Wayne, Indiana
 *** Gordon Matthew Hazzard..... Atlanta, Illinois
 ** Carly Jo Heibel..... Fort Wayne, Indiana

	Nathan Walter Jarvis	Saint George, Utah
*	Bohyun Kim.	King of Prussia, Pennsylvania
	John Ryan Kulczak	Noblesville, Indiana
	Simon David Llewellyn.	Marietta, Georgia
*	John Thomas McCormack.	Boca Raton, Florida
**	Xiangbo Meng	Beijing, China
*	Nicholas Scott Miller	Owensboro, Kentucky
**	Anthony Robert Minardo	Greenwood, Indiana
***	John Christopher Petry	Spencer, Indiana
*	Angelica Rodriguez.	Hammond, Indiana
	Michael John Royappa	Pensacola, Florida
	Seth Lee Rujiraviriyapinyo.	McCordsville, Indiana
**	Peter Daniel Samyn.	Loveland, Ohio
***	Dylan Lee Sturgeon.	Paoli, Indiana
**	Austin Robert Uphus	West Harrison, Indiana
*	Daniel Beachley Wells	Lutherville, Maryland

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

**	Alexander Joseph Memering.	Columbus, Indiana
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**Triple Major in SOFTWARE ENGINEERING, COMPUTER ENGINEERING,
and COMPUTER SCIENCE**

**	Benjamin Ian Paul.	Prospect, Kentucky
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**Double Major in SOFTWARE ENGINEERING
and BIOMEDICAL ENGINEERING**

**	Lindsey Marie Watterson.	Hanover, Indiana
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Double Major in SOFTWARE ENGINEERING and COMPUTER SCIENCE

*	Daniel Alexander Iverson	West Chester, Ohio
**	Matthew David Lash.	Batavia, Illinois
*	Jordan Mackenzie Moore.	Springfield, Illinois
***	Caleb Nathaniel Post	Rockford, Michigan
*	Frank Joseph Roetker	Lafayette, Indiana
*	Zachary Thomas Stewart	Bolingbrook, Illinois

ELECTRICAL AND COMPUTER ENGINEERING

ELECTRICAL ENGINEERING

*	James Patrick Benedicto.	Los Altos, California
	Carson Frederick Bishop	Terre Haute, Indiana
	William Jonathan Bismayer.	Cincinnati, Ohio
m***	Lucas Holt Brokl	Bemidji, Minnesota
*	Kayla Nicole Brosie	Jerseyville, Illinois
	Tayler Thomas Burns	Lake Elmo, Minnesota
	John Wesley Byers.	Loveland, Colorado
	Danielle Jeanette DeFelice.	Andover, New Jersey
	Jason William Dodd.	Saint Charles, Missouri

	Baibhab Dutta	Kodaikanal, India
m	Aaron Michael Foreman	Covington, Louisiana
***	Thomas Peter Foulkes	Terre Haute, Indiana
M	Brian Keegan Gore	New Haven, Indiana
***	Sang Goo Kang	Hong Kong
m	Casey Dean Langdale	Menifee, California
	Austin Alexander Lange	Terre Haute, Indiana
n	Dwayne Lawson	Indianapolis, Indiana
	Suzana Ram Mohd Adam Das	Puchong Selangor, Malaysia
	Raymond Allen Montgomery	Terre Haute, Indiana
m*	Brandon Michael Ostradick	Overland Park, Kansas
	April Elizabeth Riddett	Louisville, Kentucky
	Dakota Jefferson Sawyer	Buffalo, Wyoming
	Blake Anthony Schulthies	Dubois, Indiana
	Ronnie Eugene Shields II	Spencer, Indiana
	Joel Matthew Stiffler	Dewitt, Michigan
G***	Thomas Joseph Tasch	Fox River Grove, Illinois
***	Michael Austin Varner	Libertyville, Illinois
	Yichuan Wang	Hangzhou, China
	Abel Woldemeskel	Birmingham, Alabama
	Zhihao Xue	Nanjing, China
*	Ryan Christopher Zajac	Williamston, Michigan
	Zachary Blaise Zdrojewski	Pittsburgh, Pennsylvania

Double Major in ELECTRICAL ENGINEERING and MATHEMATICS

**	Garrett Saathoff Shaffer	Medicine Lake, Minnesota
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COMPUTER ENGINEERING

	Jacob Richard Anderson	Naperville, Illinois
**	Rain Forrest Dartt	Clarksville, Tennessee
	Coy DePratt	Saint Joseph, Illinois
**	Charles Traylor Eubanks	Fairfax, Virginia
n	Jiayu Guo	Qingdao, China
**	Dakota John Kowalski	Peru, Illinois
**	David Eric McNeil, Jr.	O'Fallon, Missouri
m**	Mark Anthony Morrison	Grosse Ile, Michigan
	Vashon Lee Solomon	Greensboro, North Carolina
**	Eric Michael Taylor	Chapel Hill, North Carolina
S***	Zebulan Keith Thomas	Brazil, Indiana
	Randall Scott Turner	Cincinnati, Ohio
	Yashi Yadav	Soddy Daisy, Tennessee

Double Major in COMPUTER ENGINEERING and COMPUTER SCIENCE

m***	Matthew Carl Olson	North Oaks, Minnesota
**	Janelle Marie Weir	Bronxville, New York

MATHEMATICS

	Andrew Paul Kipp	Dallas, Texas
***	Cody Gray Roberts	Franklin, Indiana
*	Yilin Wang	Xianyang, China
	Giuliana Elizabeth Watson	Centerville, Indiana

Double Major in MATHEMATICS and BIOCHEMISTRY & MOLECULAR BIOLOGY

**	Alex John Zellner	Hugo, Minnesota
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Double Major in MATHEMATICS and COMPUTATIONAL SCIENCE

**	Brian Thomas Bowmaster	Morristown, New Jersey
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Double Major in MATHEMATICS and ECONOMICS

	Angelica Patrice Cox	Indianapolis, Indiana
***	Lorena Hernandez Maxwell	Gary, Indiana

MECHANICAL ENGINEERING

G*	Ross Andrew Aker	Lexington, Kentucky
**	Craig Tyler Altmann	Jasper, Indiana
	Clayton Robert Baker	Deputy, Indiana
C**	Emily Ann Barker	Fort Wayne, Indiana
	Dalton Dean Barnes	Bristol, Indiana
**	Lucas Vaughn Baurichter	Terre Haute, Indiana
	Michael Cody Bostic	Fishers, Indiana
A	Kathleen Patricia Boyce	Riverside, Illinois
	LeKisha Reshee Bradley	Richmond, Indiana
**	Daniel Christopher Brindley	Hebron, Connecticut
***	Nicholas Edward Buchta	North Barrington, Illinois
	Nicholas Scott Burriss	Indianapolis, Indiana
	Angela Joyal Carr	Zionsville, Indiana
*	Richie Yeh Chang	Brooklyn, New York
	Collin Douglas Coker	Reston, Virginia
	Carly Alicia Corrigan	Arlington Heights, Illinois
*	Brock Collin Craig	Indianapolis, Indiana
***	Allison Ann Crump	Woodbury, Minnesota
**	Joseph Dillon	Clayton, Missouri
*	Mike Nickolas Dragnich	Washington, District of Columbia
	Davis Alexander Evans	Vacaville, California
**	Rebecca Susan Evans	Tinley Park, Illinois
	Ian Lyndon Fong	Fremont, California
	Abhimanyu Golchha	Kathmandu, Nepal
	Gabriel Elijah Goldsberry	Medora, Indiana
*	Nicole Taylor Gonzalez	Camarillo, California
	Christopher Dean Good	Westville, Illinois
*	Dustin Glen Graber	New Paris, Indiana
**	Benjamin Pierce Griffith	Fort Wayne, Indiana
	Michael Hallstein	Minier, Illinois
	Matthew Stephen Hayes	Indianapolis, Indiana

A F***	Peter Todd Heidlauf	Geneva, Illinois
	Joshua Michael Hoeing	Rushville, Indiana
***	Adam Maxwell Hook	Arcadia, Indiana
m G**	Crystal Louise Hurtle	Hebron, Kentucky
m	Brian Clinton Kenney	Champaign, Illinois
**	Andrew Lee Kimball	Tell City, Indiana
m*	Alex Kittleson	Decorah, Iowa
G*	Sean Alexander Kling	Miamisburg, Ohio
**	Lucas Rorke LaFontaine	Bloomington, Indiana
	Frank Ronald Levering	Salem, Indiana
**	John Oliver Lipinski	Riverwoods, Illinois
	Ashley Nicole Loy	Merrillville, Indiana
**	Kevin Jeffrey Ly	Indianapolis, Indiana
	Benjamin Peter Mayhew	Terre Haute, Indiana
	Joseph Grady McGoff	Cincinnati, Ohio
	Benjamin Milan Menich	Mount Prospect, Illinois
	Lonn Allen Meyer	Fort Wayne, Indiana
	Ryan John Meyer	Greenwood, Indiana
	Margaret Mary Murphy	Eden Prairie, Minnesota
**	Melissa Margaret Murray	New Canaan, Connecticut
m*	Alanna Nacar	Scott AFB, Illinois
	Eshan Chetan Nayyar	Mumbai, India
*	Brian Christopher Nelson	Naples, Florida
*	Lisa Jeanne Nelson	Burnsville, Minnesota
m**	William Kelsay Nelson	Columbus, Indiana
A	Andrew Aaron Nguyen	Algonquin, Illinois
**	Kevin Addison O'Dowd	Niceville, Florida
m*	Christopher Allen Olinger	San Francisco, California
*	Clinton James Ott	Lee's Summit, Missouri
*	Ellen Marie Owens	Brookville, Indiana
**	Meredith Leeann Pitsch	Fort Smith, Arkansas
*	Corey Lee Povaleri	Deputy, Indiana
	Aaron Michael Puetz	Naperville, Illinois
	Jordan Scott Ridgley	Lebanon, Ohio
*	Lucas Alvin Rohrman	Knox, Indiana
	Christine Elizabeth Rollins	Springfield, Ohio
**	Gustavo Isac Romo	Indianapolis, Indiana
m	Bryan Parker Rossman	Lake Forest, Illinois
*	Joshua John Rychtarczyk	Plainfield, Indiana
*	Patrick James Salay	Loveland, Ohio
	Evan Scott Sego	Bloomington, Indiana
*	Dominic Patrick Sena	Moss Beach, California
*	Joshua Carl Sonneberger	Edon, Ohio
SU	Keon Alan Stallard	Olney, Illinois
SU*	Katelyn Haley Stenger	Burlington, Kentucky
	Daniel Ray Stevenson, Jr.	Lebanon, Indiana
	Erik Nils Swensen	Corcoran, Minnesota
	Zachary Allen Taylor	Somerset, Kentucky
**	Samuel Robert Throne	Terre Haute, Indiana

	John Robert Tift	Saint Louis Park, Minnesota
*	Tony Wray Titus, Jr.	Fountaintown, Indiana
	Christopher Craig Tubb	Colorado Springs, Colorado
m	Marcus James Alan Tucker	Indianapolis, Indiana
**	Jacob Robert Umsted	Waukee, Iowa
	Russell Dean Varvel	Fillmore, Indiana
	Daniel Enluo Wang	Garden City Park, New York
*	Marek Wasilewski	Johnsburg, Illinois
	Stuart Guy West	La Porte, Indiana
	Aaron Edward Worcester	Colchester, Vermont

Two Degrees: MECHANICAL ENGINEERING and BIOMEDICAL ENGINEERING

***	James Robert Tumavich	Glen Ellyn, Illinois
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Double Major in MECHANICAL ENGINEERING and BIOMEDICAL ENGINEERING

	Landen Jeffrey Gelwicks	Zionsville, Indiana
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Double Major in MECHANICAL ENGINEERING and COMPUTATIONAL SCIENCE

***	Kyle Andrew Smolarek	Macomb, Michigan
*	Kyle Ron Starkey	Indianapolis, Indiana

PHYSICS, OPTICAL ENGINEERING, AND ENGINEERING PHYSICS

PHYSICS

**	Eric Michael Kercher	Corvallis, Montana
*	Alla Renatovna Letfullina	Terre Haute, Indiana
m*	Alexander James White	Hamilton, Ohio

Three Degrees: PHYSICS, MATHEMATICS, and ECONOMICS

	Abby Corinne Schendt	Colorado Springs, Colorado
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Two Degrees: PHYSICS and MATHEMATICS

m***	Elizabeth Justine Melton	Goodrich, Michigan
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Two Degrees: PHYSICS and MECHANICAL ENGINEERING

	Lawrence Michael Goedrich	Sacramento, California
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OPTICAL ENGINEERING

	Christian John Benson	Sycamore, Illinois
	William Tyler Lowry	Dixon, Kentucky
	Seth Aaron Myers	Greenfield, Indiana
*	Joseph Nelson Oliver	Goshen, Kentucky
	James Oliver Zebedee Rademaker	Anchorage, Alaska
	Gregory Roy Stein	Carmel, Indiana
m**	Daniel Joseph Thul	Bloomington, Illinois
*	Alex Japhet Weissenfels	Litchfield, Maine
m	Yun Zha	Nanjing, China

ENGINEERING PHYSICS

S**	Bradlee Kyle Beauchamp	Indianapolis, Indiana
S***	Caleb Daniel Gannon	Elgin, Illinois
S*	Christopher Aaron Gewirtz	Brooklyn, New York
S*	Marshall Andrew Mullins	Bloomington, Indiana
S***	Michael Scott Swartz	Kansas City, Missouri

MASTER DEGREES

MASTER OF CIVIL ENGINEERING

Caleb Clark Comstock	Waynesfield, Ohio
Katherine Clara Dangel	Upper Arlington, Ohio

MASTER OF ELECTRICAL AND COMPUTER ENGINEERING

Bárbara de Pinho Martins da Costa	Itaperuna, Rio de Janeiro, Brazil
Mark Anthony Morrison	Grosse Ile, Michigan
n Tianyi Xue	Terre Haute, Indiana
m Tianren Yang	Beijing, China
n Ying Ying Zhou	Naperville, Illinois

MASTER OF ENGINEERING MANAGEMENT

m Jay Thomas Dial	Heath, Ohio
Selina Engel	Landsweiler, Germany
A James Edward Files	Oak Park, Illinois
Shelby Anne Hacker	Cloverdale, Indiana
Alexander Matthew Jacoby	Tucson, Arizona
n Jama Marie Johnson	Monon, Indiana
Casey Jordan Levitt	Thousand Oaks, California
Duane A Musser	Westfield, Indiana
n Nancy Stinson	Indianapolis, Indiana

MASTER OF SCIENCE

BIOMEDICAL ENGINEERING

Anderson Adams	Lexington, Kentucky
<i>A Comparative Evaluation of Cadaveric and Composite Femur Models for Total Hip Arthroplasty</i>	
Thesis Advisor: Professor Renee Rogge	
m Melissa Jo Montgomery	Alexandria, Indiana
<i>Development and Validation of a Robust, Adjustable Hippotherapy Simulator</i>	
Thesis Advisor: Professor Renee Rogge	

- a Brian Joseph Sutterer Terre Haute, Indiana
*An Investigation of the Relationship Between Plantar Weight Distribution and
the Condition of Osteoarthritic Knees During Quiet Standing*
Thesis Advisor: Professor Renee Rogge

ELECTRICAL ENGINEERING

- Yang Liu Wuhan, China
A Heart Rate Finger Ring and Its Smartphone App Through Customized NFC
Thesis Advisor: Professor JianJian Song

- Leihao Wei Nanjing, China
*Development and Verification of Multi-Level Sub-Meshing Techniques of PEEC
to Model High-Speed Power and Ground Plane-Pairs of PCBs*
Thesis Advisor: Professor Edward Wheeler

- Yuxuan Zeng Xiantao, China
Design Improvements of WirelessHART Enabled Field Device
Thesis Advisor: Professor JianJian Song

ENGINEERING MANAGEMENT

- Ed-Samuel Oluwatomisin Adegboye Madison, Wisconsin
Designing a New Ordering and Inventory Management System
Project Advisor: Professor Craig Downing

- Grace Elizabeth Timm Aker Reelsville, Indiana
*Environmental Project Analysis at Crown Equipment Corporation:
Implementation of the Partners for Pollution Prevention Program
Through the Indiana Department of Environmental Management*
Project Advisor: Professor Craig Downing

- m Reyhaneh Askari Sarcheshmeh. Alborz, Iran
*Critical Success Factors and Possible Risks
for Implementing an Information System in Supply Chain Management*
Project Advisor: Professor Eva Andrijcic

- m Deepak Bhojwani Dubai, United Arab Emirates
Ice Air HVAC Toolbox
Project Advisor: Professor Craig Downing

- n Johannes Borchert. Cappeltn, Germany
*Analysis and Optimization of Selected Project Management Processes
in the New Product Development Field (Focus: Automobile Industry)*
Project Advisor: Professor Craig Downing

- Tanya Augusta Colonna. Broadview Heights, Ohio
A Medical Device Industry Analysis from the Perspective of an Emerging Start-up Company
Project Advisor: Professor Craig Downing

- Jacqueline Grace Dalton..... Holland, Michigan
Fun Theory: An Analysis to Improve Recycling on Campus
 Project Advisor: Professor Craig Downing
- m Elizabeth Anna Evans..... Bicknell, Indiana
Getting Fed Faster with a Six Sigma Production System Analysis
 Project Advisor: Professor Craig Downing
- Heather Nicole Finnell.....Cleveland, Tennessee
*Market Segmentation Research: An Analysis Intended to Aid
 in the Revitalization of Downtown Terre Haute, Indiana*
 Project Advisor: Professor Craig Downing
- Sebastian Flachs.....Magdeburg, Germany
*A Process-Oriented Modeling Approach for Humanitarian Supply Chains
 Using the Supply Chain Operations Reference Model*
 Project Advisor: Professor Craig Downing
- Matthew Anthony Fouts.....Terre Haute, Indiana
Profdesk.com—The Next Generation Classroom Management System
 Project Advisor: Professor Craig Downing
- Christopher Hanke.....Magdeburg, Germany
*Performance Measurement in Small Companies: Use of the Balanced Scorecard
 and a Hybrid Implementation Methodology*
 Project Advisor: Professor Eva Andrijcic
- Lauren Alexandria Meadows..... Indianapolis, Indiana
A Life Cycle Analysis: Paralleling Student-Athletes with Front-Line Engineers
 Project Advisor: Professor Craig Downing
- Anjana Neelakandan..... Chennai, India
Integrating Efficient Inventory Management Systems in the Healthcare Sector
 Project Advisor: Professor Craig Downing
- m Albert Rogito Nyangeri..... Nairobi, Kenya
*Streamlining Road Transport Supply Chain Inefficiencies in East Africa
 Through a Technology Platform by Kenya Apps Network*
 Project Advisor: Professor Craig Downing
- a Gregory Vincent Piekos..... Park Ridge, Illinois
An Analysis of the Benefits of Liquefied Natural Gas (LNG) Locomotives
 Project Advisor: Professor Craig Downing
- a Nebula Nichole Schultz..... Brazil, Indiana
*The Impact of the Chinese Student's Culture
 on Their Educational Experience at Rose-Hulman*
 Project Advisor: Professor Terry Schumacher

- a Margaret Anne Schultz Powell, Ohio
Biomedical Consulting Engineering
 Project Advisor: Professor Craig Downing
- Mary Catherine Schultz Harrison, Ohio
A Case Study with Integra LifeSciences Utilizing Six Sigma
 Project Advisor: Professor Craig Downing
- Prathiba Srinivasan Chennai, India
Purchasing Strategy and Supplier Selection in Global Sourcing
 Project Advisor: Professor Craig Downing
- n Christoph Theilmann Lohheide, Germany
Adequate Safeguarding in Mixed-Model Assembly Lines
 Project Advisor: Professor Craig Downing
- Grant Robert Warmoth Martinsville, Indiana
*The Modified Innovation Canvas Approach:
 A Tool for Successful Product Development and Innovative Key Feature Selection*
 Project Advisor: Professor William Kline
- Anderson Ross Willis Jasper, Indiana
Chicago X LLC: Maritime Supply Chain Design
 Project Advisor: Professor Craig Downing
- Felix Winkelmann Magdeburg, Germany
*Business Model Design for a Case Study Initiative
 at Rose-Hulman Institute of Technology*
 Project Advisor: Professor Grant Hoffman
- Jonas Wullbrandt Gross Denkte, Germany
*Internal Pressure: An Investigation of Employee Stress Resulting
 from Lean System Implementation*
 Project Advisor: Professor Craig Downing

MECHANICAL ENGINEERING

- Austin Lee Nash Sullivan, Indiana
Euler-Lagrange Optimal Control of Indirect Fire Symmetric Projectiles
 Thesis Advisor: Professor Bradley Burchett
- n Michael Louis Pauly Colorado Springs, Colorado
Workspace Analysis of a Linear Delta Platform: Calculating the Inscribed Radius
 Thesis Advisor: Professor David Fisher
- Ashwin Arvind Upasani Pune, India
*The Development and Evaluation of a Method for Understanding the Impact of
 Transmission Loss on the Overall Noise Attenuation of a Finite Barrier*
 Thesis Advisor: Professor J. Darrell Gibson

- m Matthew Randall Winter Edgewood, Kentucky
The Development of Advanced Controls Laboratories
 Thesis Advisor: Professor Bradley Burchett

OPTICAL ENGINEERING

- a Yanzeng Li Changchun, China
*Quantitative Data Extraction Using Spacial Fourier Transform
 in Inversion Shear Interferometer*
 Thesis Advisor: Professor Scott Kirkpatrick

- Michael Edward Plascak Terre Haute, Indiana
Optical Bistability with Two Serially Integrated InP-SOAs on a Chip
 Thesis Advisor: Professor Azad Siahmakoun

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

- Wanseok Oh Eumseong-gun, South Korea
Study of Laser Speckle Scattering in Vitreous Humor Models
 Thesis Advisor: Professor Charles Joenathan
- m Sangwook Park Yongin-si, South Korea
*A Study on Development and Evaluation of Accuracy
 for the Spherical Coordinate 3D Scanning System*
 Thesis Advisor: Professor Sergio Granieri
- a Junyeob Song Seoul, South Korea
Fabrication and Characterization of Edge-Emitting Semiconductor Lasers
 Thesis Advisor: Professor Paul Leisher
- a Yonghee Won Seoul, South Korea
*A Study of Scattering Characteristics
 for Micro-Scale Rough Surfaces*
 Thesis Advisor: Professor Robert Bunch

SYSTEMS ENGINEERING AND MANAGEMENT (INTERNATIONAL PROGRAM)

- Fabian Aiple Gosheim, Germany
Laser Power Modulation by Turning a Lambda Plate with a BLDC Motor
 Thesis Advisor: Professor Daniel Moore
- m Paul Arnold Illertissen, Germany
Loudspeaker Array for Mid-Range Frequencies in Car Applications
 Thesis Advisor: Professor Daniel Moore
- m Benedikt Bez Tuebingen, Germany
*A Concept and Prototype for an Adaptive Full LED Matrix Headlight Control Unit
 that Eliminates All Moveable Components*
 Thesis Advisor: Professor Daniel Moore

- m Manuel Stephan.....Munderkingen, Germany
*Developing and Implementing Signal Processing Algorithms to Find Optimal Parameters
for Tip Timing Measurements of Turbine Blades*
Thesis Advisor: Professor Daniel Moore
- m Andreas Strohmaier.....Auenwald, Germany
*Conception and Installation of a Generic Measuring System
for Inspection of Ignition Control Units*
Thesis Advisor: Professor Daniel Moore

SUMMER or FALL COMPLETION

BACHELOR OF SCIENCE

BIOMEDICAL ENGINEERING

- Taylor Wayne Franklin.....Brownstown, Indiana
Sonia Sanchez.....Hammond, Indiana
Emily Geraldine Savrda.....Connorsville, Indiana
Sheree Antoinette Williams.....Bluffton, South Carolina

CHEMICAL ENGINEERING

- † Sloan Daniel Haywood.....Plainfield, Indiana
Seth Michael Kiefer.....Bonfield, Illinois

CHEMISTRY

- Chelsey Marie Hasler.....Sullivan, Indiana

CIVIL ENGINEERING

- Taran Jacob Bohnhoff.....Dieterich, Illinois
Connor Gibson Gerhart.....La Mesa, California

COMPUTER SCIENCE AND SOFTWARE ENGINEERING

COMPUTER SCIENCE

- † Fang Huang.....Nanjing, China

SOFTWARE ENGINEERING

- † James Richard Butler.....Village of Lakewood, Illinois
Joshua Steven Harbison.....Rockville, Indiana
† Matthew Anthony Rocco.....Nacogdoches, Texas
Marshall Scott Yeoman.....Elkhart, Indiana

ELECTRICAL AND COMPUTER ENGINEERING

ELECTRICAL ENGINEERING

	Feiyu Cai	Nanjing, China
	Parris Allan Gray	Richmond, Indiana
	Yujie He	Shanghai, China
	Jiaqi Jin	Shanghai, China
	Patrick Thomas Martin	West Harrison, Indiana
	Sara-Clare Alexandra McGeever	State College, Pennsylvania
	Dmitry Nikolevitch Votintsev	Moscow, Russia
†	Jiawei Zhang	Nanjing, China

COMPUTER ENGINEERING

	Christopher Arne Andrews	York, Pennsylvania
†	Asa Draic Bromenschenkel	Deer River, Minnesota
	Chad David Kohls	Leipsic, Ohio

MATHEMATICS

†	Jinseok An	Seoul, South Korea
†	Edna Luo Jones	Fairfield, Iowa
	Yunhui Shi	Chengdu, China
	Brett Jay Sneed	Kingwood, Texas

MECHANICAL ENGINEERING

	Xiaoning Bai	Taiyuan, Shanxi, China
	Trevor Anthony Bischoff	Brookville, Indiana
†	Cody Eli Bressler	Kirkwood, Pennsylvania
	Gautham Chandrasekar	Bangalore, India
	Christopher Leif Erickson	Edwardsville, Illinois
	Mark Stephen Fitz	Fort Worth, Texas
	Gregory James Gorsage	Indianapolis, Indiana
	Salonee Rajesh Gupta	Mumbai, India
	Samuel Ethan Hojnacki	La Porte, Indiana
	Paul Joseph Janczak	Saint Charles, Illinois
	Kenji Masaharu Kunugi	Madison, Wisconsin
	Gregory Taylor Lee	Christiansburg, Virginia
	Lisa Marie Lillis	Phoenix, Arizona
	Mingmin Liu	Shenyang, China
	Nathan James Montgomery	Columbia Station, Ohio
	Greg Alan Musselman	Princeton, Illinois
†	Brandon Lee Naylor	Indianapolis, Indiana
	Tyler J Ricketts	Westerville, Ohio
†	Austin Wade Schulthies	Dubois, Indiana
†	Brady Michael Stefancik	Linton, Indiana
†	Krzysztof Szymon Stopka	Oak Lawn, Illinois
	Darren Michael Timlin	Tuscola, Illinois
	Marcus Elliot Washington	Frankfort, Kentucky
	Nicholas Gerard Christopher Wilkowski	Minneapolis, Minnesota
	Zhiyi Yuan	Terre Haute, Indiana

PHYSICS, OPTICAL ENGINEERING, AND ENGINEERING PHYSICS

PHYSICS

† Blake Jeffrey Lee Holeman Summitville, Indiana

ENGINEERING PHYSICS

Upamanyu Bose Mumbai, India

† Alex M Hanna Monticello, Indiana



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Howard H. Irvin, MBA, HD (Emeritus)	Chicago, Illinois
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Warren L. Mickens, HD (Emeritus)	Lone Tree, Colorado
David C. Mitchell, HD (Emeritus)	Terre Haute, Indiana
W. Darin Moody	Indianapolis, Indiana
William M. Olah, JD	Terre Haute, Indiana
Eston L. "Bud" Perry	Terre Haute, Indiana
John W. "Jack" Ragle, HD (Life Member)	Terre Haute, Indiana
Thomas Scott Reives, MS (Young Alumni Representative)	Indianapolis, Indiana
Robert L. Royer (Emeritus)	Louisville, Kentucky
John N. Royse, HD (Emeritus)	Terre Haute, Indiana
William D. Schindel, MS, HD	Terre Haute, Indiana
Donald W. Scott (Emeritus)	Terre Haute, Indiana
Charles L. "Chuck" Sigman, MBA (Alumni Representative)	McLean, Virginia
Donald E. Smith (Emeritus)	Terre Haute, Indiana
P. Carter Smith, HD (Emeritus)	Dahlonega, Georgia
Michael D. Thomas, MBA, HD (Emeritus)	Birmingham, Michigan
John V. Titsworth, HD (Life Member)	Chanhassen, Minnesota
Jimmie J. Trueblood	Columbus, Indiana
D. James Umpleby	Peoria, Illinois
Maria Vaz, PhD	West Bloomfield, Michigan
M. Andrew Williams, MS	Chandler, Arizona
Clyde F. Willian, JD, HD (Life Member)	Marco Island, Florida



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