

2021 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	Patricia A. Carlson, AB, MA, PhD <i>Professor of American Literature and Director of PRISM</i>
Processional	The Rose-Hulman Joint Service ROTC Color Guard and Indianapolis Public Safety Pipes and Drums
National Anthem	White Chapel Brass
Opening Comments	Robert A. Coons, BS, MBA <i>President</i>
Welcome	Coleman A. Weaver <i>Past President, Student Government Association</i>
President's Remarks	Robert A. Coons
Comments from Senior Class	Patricia A. Giraldo <i>President, Senior Class</i>
Awarding of Heminway Medal	Richard E. Stamper, BS, MS, PhD, PE <i>Provost and Vice President for Academic Affairs and Professor of Mechanical Engineering</i>
John T. Royse Award	Erik Z. Hayes
Herman A. Moench Distinguished Senior Commendation	Thomas M. Adams, BS, MS, PhD <i>Professor of Mechanical Engineering</i>
Recognition of the Special Award Recipients	Richard E. Stamper
Awarding of Honorary Degree to Mark D. Millett	Robert A. Coons
Awarding of Honorary Degree to and Introduction of Commencement Speaker Timothy J. Cindric	Robert A. Coons
Commencement Address	Timothy J. Cindric, BS <i>President, Team Penske</i>
Conferring of Undergraduate Degrees and Recognition of Students Anticipating Degrees	Robert A. Coons
Turning of the Tassels	Erik Z. Hayes
Conferring of Master's Degrees	Robert A. Coons
Greeting from Alumni	Kelly K. Noel, BS, MBA <i>President, Alumni Advisory Board</i>
Farewell	Jarvis J. Faught II <i>Vice President, South Asian Student Alliance</i>
Closing Comments	Robert A. Coons
"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.



In Memory Of

Jake Meister

Class of 2021

October 1, 1996 - February 16, 2021

Bill Kline

Associate Dean of Innovation and
Professor of Engineering Management

October 14, 1954 - March 20, 2021



HONORARY DEGREE RECIPIENT

Mark D. Millett

President and Chief Executive Officer
Steel Dynamics

Mark D. Millett co-founded Steel Dynamics in 1993 and has been instrumental in building the company from its inception to its current status as one of the largest and fastest growing steel producers and metals recyclers in the United States.

Millett has served on the company's board of directors since inception and was named president and chief executive officer in January 2012. Since that time, the company has grown significantly through organic growth investments, including the transformational acquisition of the Columbus Flat Roll Division and the acquisition of the Heartland Flat Roll Division in Terre Haute, Indiana.

Under his leadership, the company is continuing its extensive growth strategy through the greenfield construction of an environmentally responsible, technologically advanced, state-of-the-art, electric arc furnace flat roll steel mill in Sinton, Texas, with operations expected to begin late summer 2021.

Prior to being named CEO, Millett held various leadership positions within the company, including president and chief operating officer, executive vice president of metals recycling and ferrous resources, and executive vice president of flat roll steel operations. Prior to co-founding Steel Dynamics, he served in various leadership roles at Nucor Corporation, including leading the design, construction, and operation of the melting and casting area at the world's first electric arc furnace (EAF) thin-slab flat roll steel mill in Crawfordsville, Indiana.

Millett has continued to drive innovation in advanced flat roll steel products and to lead in further developing steel technologies, expanding product capabilities, adding value, and creating supply chain solutions. As one of the co-founders of Steel Dynamics, he and the leadership team have created a best-in-class, innovative steel company that has been committed to operating in an environmentally responsible manner since its founding.

Steel Dynamics produces steel using only EAF technology, which utilizes recycled ferrous scrap as the primary raw material. EAF steel production technology currently has the least environmental impact, is the most cost effective, and provides the most operational flexibility. With the addition of the metals recycling and steel fabrication operations, the leadership team intentionally developed a vertically connected operating model, creating an almost closed-loop manufacturing business, which reduces the environmental impact.

Now, Steel Dynamics is leading the industry in its next evolution with the Sinton Texas electric arc furnace flat roll steel mill. The Steel Dynamics leadership team is not only leading the industry in innovative technologies and product solutions, but with nearly 10,000 team members and with the help of educators, they are creating the leaders of today and tomorrow for the steel industry, including a number of Rose-Hulman alumni.

During 2019, Millett was named the recipient of the James F. Collins Achievement in Advocacy Award by the Steel Manufacturers Association. During 2014, he was named Steelmaker of the Year by the Association of Iron and Steel Technology.

Millett earned a bachelor's degree with honors in metallurgy from the University of Surrey, England.



COMMENCEMENT SPEAKER & HONORARY DEGREE RECIPIENT

Timothy J. Cindric

President
Team Penske

Timothy J. Cindric has been in the winner's circle as a manager and race day strategist for Team Penske, the most successful organization in American motorsports. In the role of team president, he has overall management responsibilities for Team Penske's racing operations, including teams racing at the top levels of the NTT IndyCar Series, Monster, the NASCAR Cup Series, and the NASCAR Xfinity Series.

Cindric also oversees Penske Technology Group, Penske Restoration, the Penske Heritage Center, and Penske Racing Museum.

Under Cindric's leadership, Team Penske has earned more than 300 race victories and 19 series championships. He has been in the winner's circle for several of the most iconic events in motorsports, including eight Indianapolis 500 races, two Daytona 500 victories, and an overall win at the 12 Hours of Sebring.

On race days in the NTT IndyCar Series, Cindric has used his engineering and problem-solving skills as race strategist for IndyCar Series championship and Indianapolis 500 race-winning cars driven by Josef Newgarden, Will Power and Helio Castroneves.

Many of those skills were nurtured while earning a bachelor's degree in mechanical engineering from Rose-Hulman Institute of Technology in 1990. After graduating, Cindric worked as interim general manager and design engineer for the TrueSports IndyCar team. He then became team manager for Team Rahal from 1994-99 before joining Team Penske.

Cindric's motorsports career started working alongside his father, Carl, in Herb Porter's Speedway Engine Development operations center in the shadows of the Indianapolis Motor Speedway. It was Carl who urged his son to get an engineering degree in order to realize his dream of becoming a race car mechanic.

In 2011, Cindric was named one of America's top mechanical engineers by Inventors Digest magazine. Other career achievements include Cindric receiving the Herb Porter and Tom Carnegie memorial awards from the Indianapolis 500 Old Timer's Club.

At Rose-Hulman, Cindric was a four-year varsity basketball player (1987-90) whose 1,081 career points earned him placement in the Rose-Hulman Athletic Hall of Fame in 2001. He earned the Alumni Association's Honor Alumni Award in 2013.

Cindric also is a loyal member of Rose-Hulman's Gamma Gamma chapter of the Alpha Tau Omega fraternity and has supported several of the institute's competition motorsports racing teams.

An Indianapolis native, Cindric now lives in Mooresville, North Carolina, with his wife, Megan, and their sons Tanner, a 2018 University of Denver graduate, and Austin, the 2020 NASCAR Xfinity Series champion.



MESSAGE FOR THE CLASS OF 2021

By Harold (Hal) D. Brown Jr. (Chemical Engineering, 1957; Honorary Degree, 2000)

YOU ARE A WORK IN PROGRESS

On a day like today, 100 years ago, my father graduated from Rose Polytechnic Institute. His was the first class to graduate from this campus.

At that time there was only one building on campus – what we now call Moench Hall. Graduation was held and basketball games were played on the top floor at the north end of Moench Hall. Since my father graduated thousands upon thousands of wonderful changes have been made to this campus.

Just look around this campus, these beautiful buildings, well-maintained grounds, marvelous athletic facilities, up-to-date laboratories and classrooms, residence halls well designed and built, an outstanding and recently renovated student center, and an additional 1,100 acres just south of our main campus. But most importantly, Rose-Hulman has retained and improved its world-class faculty whose primary focus is on the student and undergraduate education.

I am sure my father could never have imagined these changes, but would be astounded and well pleased by them.

As you approached this facility today, you all saw a bronze casting called “The Self-Made Man.” It was given to our school by John Mutchner, a long-time and highly successful coach and athletic director. This casting tells a remarkable story about what can happen when one puts their mind to something. The casting depicts a man emerging from a solid piece of stone and, with a chisel and hammer, he is carving himself from that stone. But notice, the man is not complete, symbolizing he is a work in progress and there is more work to be done.

And so it is with Rose-Hulman. Despite the almost miraculous changes that have been made in the last 100 years, Rose is still a work in progress and there is more, much more work, to be done.

Be aware these changes to Rose were largely made possible through the generosity of people who, just like you, came to Rose, studied physics, thermodynamics, Laplace transforms, participated in numerous labs, took tests and sweated their results, persevered, and made lifelong friends. It is true that each graduating class climbs onto the shoulders of the ones that went before; each one benefiting from what the previous ones have given back to Rose. Rose took you as raw freshmen and helped turn you into the person that is graduating today. I, and all the graduates who have gone before you, congratulate you on this accomplishment. But, like the self-made man and Rose-Hulman, you are still a work in progress. You are not complete. You should, and I am confident you will, continue to grow, change, and improve in the years to come.

So, today you start on that new and exciting journey called a career but Rose-Hulman will still be here, a work in progress. We look to you to help take Rose-Hulman to another level, one that today we cannot imagine. With your help we will continue to move and change Rose-Hulman into what it is destined to be on a day like today, 100 years from now.

Congratulations, good luck, God speed, and thank you.



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 chevrons, and edged in golden yellow velvet. With the gown and hood, a black mortarboard and red and white tassel are worn.

CURRENT AND PAST TRUSTEES CHAIR

Black gown with red chevrons bordered in gold piping, and red front panels.

TRUSTEES

Black gown with black chevrons bordered with gold piping.

PRESIDENT

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

ETA KAPPA NU

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

PI MU EPSILON

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

UPSILON PI EPSILON

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

PRESIDENTIAL MEDALLION

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

SCHOLARSHIP HONORS

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

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

† Honors Anticipated for Summer or Fall Completion candidates

Other Program Designations

- A U.S. Army Commission
- AF U.S. Air Force Commission
- C Consulting Engineering Program
- M Management Studies Certificate
- O Optical Communications Certificate
- S Semiconductor Materials and Devices 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 29, 2021.

Those designations are:

- a August 29, 2020
- n November 23, 2020
- m March 1, 2021

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 Polytechnic Institute welcomed an inaugural class of just 25 students in 1883 inside a towering, gothic structure at 13th and Locust streets in Terre Haute. The school was the brainchild of entrepreneur and philanthropist Chauncey Rose, who dreamed of creating an institute of higher learning “for the intellectual and practical education of young men.”

The institute’s heritage of educational excellence dates back to its earliest days, when the Board of Managers and a few other prominent community leaders, coaxed Charles O. Thompson, then-president of the prestigious Worcester Free Institute of Industrial Science, to take the leadership post at Rose. Under his guidance, the academic bar was set very high and has remained that way ever since.

The camaraderie and campus traditions that have long defined the student experience at Rose also started in its earliest days. By 1920, Rose freshmen were wearing “R” beanies to denote their newbie status and Rosie the elephant was established as the school’s mascot. Those and other traditions would survive a move to the country in 1922 when the campus transferred to its current location, where even more traditions were born, such as the annual Homecoming bonfire and voluntary (and sometimes involuntary) dips in Speed Lake.

Student enrollment began to accelerate on the new campus and would top 1,000 in 1969 under the leadership of then-President John Logan. The face of the campus also began to rapidly change, especially in the last quarter of the 20th century, when Cook Stadium, Hadley Hall, Oakley Observatory, Myers Center for Technical Research with Industry, Olin Advanced Learning Center and Olin Hall were all constructed. The institute took another major step in 1995 when the first female students were admitted under the leadership of President Sam Hulbert. Its physical infrastructure continues to grow and improve today with the recent addition of the Kremer Innovation Center, the Pi-vilion, the fully renovated Mussallem Union, and the soon-to-open new academic building east of Moench Hall.

With growing student diversity and the addition of 1,100 acres of new property south of campus, the institute continues to build on the strong foundation laid by its visionary leaders, dedicated educators and hard-working students. With 22-consecutive years of No. 1 rankings from U.S. News & World Report and other recognitions, the institute, now with an enrollment of approximately 2,000 undergraduates and graduate students, remains firmly established among the leading engineering, math, and science colleges anywhere in the world.

Rose-Hulman Institute of Technology

CANDIDATES FOR DEGREE

BACHELOR OF SCIENCE

BIOLOGY AND BIOMEDICAL ENGINEERING

BIOLOGY

*** Grant Richard StamperTerre Haute, Indiana

Double Major in BIOLOGY and BIOCHEMISTRY & MOLECULAR BIOLOGY

* Elisa Marie Weber Kalamazoo, Michigan

BIOMEDICAL ENGINEERING

Lindsey Denise AlumbaughNeoga, Illinois
Sabri Maher AmerBeavercreek, Ohio
** Marily Chantal ArboledaPlano, Illinois
m** Garett James BaileySardinia, Ohio
* Grace Eileen BeachMahomet, Illinois
* Katlynn Nichole BussettPocahontas, Illinois
Ethan Scott ButlerMundelein, Illinois
*** Katryna Renee DahlbergHutto, Texas
* Dylan Brady DiorioPlainfield, Illinois
John Clark ElliottFranklin, Kentucky
Kate GarrisonCorte Madera, California
** Jacob Nathaniel GeesamanRedkey, Indiana
** Katherine Elizabeth GoebelFairland, Indiana
Sarah Anne HardinPlainfield, Illinois
* Rebecca Joy HinzSchaumburg, Illinois
** Sidney Danielle HohlMiddletown, Maryland
* Minji JooWoodbury, Minnesota
Victoria Hope LeeIndianapolis, Indiana
** Cyrus Kanga LuczkowHastings-on-Hudson, New York
** William Patrick McCulloughCincinnati, Ohio
Wyatt James McKibbinYorkville, Illinois
Bryce Nathaniel MeffordWaverly, West Virginia
** Karina Dhamaris MunozAustin, Texas
n Namuunaa NadmidLouisville, Kentucky
Toluwaniose Christine NafiuPowell, Ohio
* Tanner D PayneColumbus, Indiana
Chloe Frances PearsonNoblesville, Indiana
Jacquelin Ramirez-MarceloAvon Park, Florida
Coleman Scott RobertsonTerre Haute, Indiana

	Kierra Maree Rogers	Louisville, Kentucky
**	Peyton Gregory Sakelaris	Reno, Nevada
*	Karan Veer Singh	Westfield, Indiana
m**	Xingqi Su	Guangzhou, China
*	Dante DiTomasso Zumbo	Camp Hill, Pennsylvania

Double Major in BIOMEDICAL ENGINEERING and BIOMATHEMATICS

*	Jonathan Patrick Myers	South Beloit, Illinois
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Double Major in BIOMEDICAL ENGINEERING and COMPUTER SCIENCE

**	Lining Pan	Beijing, China
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Anticipated Summer or Fall Completion
BIOMEDICAL ENGINEERING

	Elizabeth Lee Fiutem	Harrison, Ohio
	Jacob David Myers	Glencoe, Illinois
	Kaile Joseph Wendelin	Crawfordsville, Indiana

CHEMICAL ENGINEERING

	Khalid Waleed S Bajouda	Riyadh, Saudi Arabia
	Jonathan Ray Bartlett	Sherman, Illinois
**	Patrick John Berger	Fishers, Indiana
	Jordan Sarah Callahan	Brownsburg, Indiana
	Ethan Nathanael Chupp	Martinsville, Indiana
	Nathan Martin Ciriacks	Maribel, Wisconsin
**	Adam Michael Clark	Sherman, Illinois
**	Ezenna Kelechi Cmadu	Chicago, Illinois
*	Jade Elizabeth Davidson	North Webster, Indiana
*	Emilie Theresa Deibel	Richmond, Indiana
	John Robert Garrett	Bloomington, Indiana
**	Clark Craig Hageman	Chicago, Illinois
	Jacob Thomas Huff	Owensboro, Kentucky
*	Ellianne Joyce Ogden	Lexington, Kentucky
**	Keegan Reece Parkhurst	Carmel, Indiana
*	Robert Fillmon Principe	East Amherst, New York
	Jessica Elizabeth Radomski	Scottsdale, Arizona
	Dariana Salinas	Indianapolis, Indiana
*	Brooke Catherine Schroeder	Westerville, Ohio
	Jose Ricardo Smokowski	Banner Elk, North Carolina
***	Justin Tyler Starke	West Bend, Wisconsin
*	Emily Taylor Struble	Carrollton, Illinois
A	Gregory Richard Wenning	San Jose, California
**	Benjamin Tyler Yoss	Fort Wayne, Indiana

**Double Major in CHEMICAL ENGINEERING and
BIOCHEMISTRY & MOLECULAR BIOLOGY**

***	Karen Marie Folz	Cincinnati, Ohio
***	Kaylee Madison Pate	Vincent, Ohio
**	Longyuan Shi	Zhengzhou, China

Double Major in CHEMICAL ENGINEERING and CHEMISTRY

** Elliott Yue Tong North Oaks, Minnesota

Double Major in CHEMICAL ENGINEERING and MATHEMATICS

Alyssa Rose Voepel Edwardsville, Illinois

***Anticipated Summer or Fall Completion* CHEMICAL ENGINEERING**

Jonathan Michael Kawauchi Dublin, Ohio
AF Meaghan Ann Matus New Palestine, Indiana
Mariah Janae Mufich Larkspur, Colorado
Timothy Daniel Pollack South Lebanon, Ohio
Chimele Amahnesi Uriri Antioch, Tennessee

CHEMISTRY AND BIOCHEMISTRY

CHEMISTRY

A David Adam Kuntz Batesville, Indiana

BIOCHEMISTRY

* Timothy Jonathan Harris Merrillville, Indiana
Caleigh Moyne Kintner Terre Haute, Indiana
* Cameron Parker Shane Kokomo, Indiana
** Kara Nicole Skorge Jasper, Indiana
m Sean Frederick Wohlstadter Saint Louis, Missouri

***Anticipated Summer or Fall Completion* BIOCHEMISTRY**

David Andrew Nastav Lebanon, Indiana
William Nathaniel Smith Lebanon, Indiana

CIVIL AND ENVIRONMENTAL ENGINEERING

CIVIL ENGINEERING

* Dawson Steven Allen Yorktown, Indiana
Gavinn Patrick Bakker Rensselaer, Indiana
Fanny Jane Banda Trilport, France
*** Jonathan Michael Boutell Terre Haute, Indiana
* Luke Calabrese Sugar Grove, Illinois
* Harris Michael Camp Noblesville, Indiana
Lois Jean Cheatham Greencastle, Indiana
Stella Grace Cheesman Terre Haute, Indiana

C***	Lauren Marie Conley	Pickerington, Ohio
**	Hunter Michael Crumly	Chatham, Illinois
	Michael Martin Dula	St Augustine, Florida
A**	Jarvis James Faught II	Terre Haute, Indiana
	Alex Holden Gipson	Sheridan, Indiana
	Anastacia R Greene	Henryville, Indiana
	Caden Lynn Hellyer	Tipp City, Ohio
A	Colby Nathaniel Horne	Naples, Florida
C***	Peter James Householter	Wheaton, Illinois
A	Logan Michael Hutchison	New Market, Alabama
	Hans William Knoepfel	Paris, Illinois
AF*	Rebecca Anne Kramer	Louisville, Kentucky
C**	Amy Jo Metz	Ferdinand, Indiana
*	Derrek Wayne Miller	Marshall, Illinois
**	Nicholas Steven Miller	Auburn, Indiana
	Robert Timothy Neal	Noblesville, Indiana
**	Austin Jeffrey Sauerteig	Arcadia, Indiana
*	Trent Austin Shepherd	Warsaw, Indiana
C*	Samantha Joyce Stevens	Eagan, Minnesota
	Renting Tan	Beijing, China
A**	Zachary Robert Tate	Maryville, Tennessee
*	Michael Joseph Whitacre	Paris, Illinois
	Jerome Albert Wurtz III	Cold Spring, Kentucky
	Dominic Joseph Yurkanin	Fort Wayne, Indiana

Two Degrees: CIVIL ENGINEERING and BIOLOGY

**	Morgan Renee McDonald	Indianapolis, Indiana
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Anticipated Summer or Fall Completion **CIVIL ENGINEERING**

	Andrew Patrick Dion	Valley Center, California
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COMPUTER SCIENCE AND SOFTWARE ENGINEERING

COMPUTER SCIENCE

**	David Alba-Lopez	Indianapolis, Indiana
	Andrew Conrad Blonsky	Lakewood, Ohio
*	Alexander Cuellar Bradshaw	Houston, Texas
	Praneet Chakraborty	Aurora, Illinois
*	Junhao Chen	Foshan, Guangdong Pr, China
	Lilin Chen	Kunming Yunnan, China
**	Dennis Alexander Colomes	Griffith, Indiana
**	Stephen Liam Crowell	Terre Haute, Indiana
***	Yifan Cui	Huzhou, China
**	Alexander Reid Dripchak	Louisville, Kentucky
m	Samuel Geis Dunaway	Coatesville, Indiana
**	Samuel Colter Flickinger	Decatur, Illinois
	Ashley Elizabeth Fowler	Lucas, Texas
	Benjamin George Gothard	Cincinnati, Ohio
n**	Christopher James Gregory	Corvallis, Oregon

*	Grant Jeffrey Hartman	Columbus, Ohio
	Jacob Michael Hendrich	Brazil, Indiana
*	Zijian Huang	Lanzhou, Gansu, China
	Alain Olivier Kouassi	West Orange, New Jersey
*	Brevin Scott Lacy	Bothell, Washington
**	Lingyun Li	Ningbo, China
*	Jing Lin	Terre Haute, Indiana
***	Ruojie Liu	Nanjing, China
	Chengqian Lyu	Shanghai, China
***	Quinn Andrew McKown	Lakeland, Florida
*	Cherise Elizabeth McMahan	Milwaukee, Wisconsin
	Bailey Mccarty Morgan	Hamilton, Ohio
	Shiloh Luke Musser	Auburn, Georgia
***	Jessica Marie Myers	Evansville, Indiana
*	Michael Jeffery Nutt	Indianapolis, Indiana
	Ruoqing Ouyang	Changsha, Hunan, China
*	Amruth Charan Pabba	Naperville, Illinois
*	Jacob Joseph Petrisko	Elkins Park, Pennsylvania
	Abilash Raghuram	Lewis Center, Ohio
*	Vanshika Shyamala Reddy	Hyderabad, India
	Dauntae Emanuel Sanchez	Arlington, Texas
**	Anthony Arnold Schmidt	Seattle, Washington
m*	Brionna Ashley Slaughter	Sugarloaf Key, Florida
	Jackson Ryan Speedy	Mooresville, Indiana
*	Benjamin William Smith	Loveland, Ohio
**	Eric Yaokun Tu	Canton, Ohio
***	Junheng Wang	Nanjing, China
	Yiyuan Wang	Hangzhou, China
A**	Andrew James White	Hamilton, Ohio
	Yuchen Zhao	Nanjing, China
	Jingrui Zheng	Beijing, China
*	Jake Matthew Zimmerman	Escondido, California
***	Huiruo Zou	Wuhan, China
	Shengbo Zou	Wuhan, China

Double Major in COMPUTER SCIENCE and DATA SCIENCE

**	Xiangnan Chen	Shanghai, China
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Double Major in COMPUTER SCIENCE and ECONOMICS

**	XiaoLi Xi	Kunming, Yunnan, China
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Double Major in COMPUTER SCIENCE and INTERNATIONAL STUDIES

*	Abigail Marie Abernathy	St. Wendel, Indiana
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Double Major in COMPUTER SCIENCE and MATHEMATICS

*	Xusheng Liu	Beijing, China
*	Jianan Pang	Hangzhou, China
**	Tiantian Zhang	Beijing, China

Double Major in COMPUTER SCIENCE and SOFTWARE ENGINEERING

	William Graham	Ephraim, Wisconsin
**	Derek Wayne Grayless	Terre Haute, Indiana
**	David Mark Gruninger	Zionsville, Indiana
	Joseph Vernon David Hegg	Indianapolis, Indiana
***	Yizhu Zhao	Shanghai, China

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

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

Andrew Paul Sadler Rochester, Minnesota

SOFTWARE ENGINEERING

** Jared Daniel Brucher New Palestine, Indiana
 *** Justin Anson Eccles Eagan, Minnesota
 Jaxon Warren Hoffman Mooresville, Indiana
 * Anthony Robert Kaiser New Albany, Indiana
 * Joseph Arthur Krisciunas Mason, Ohio
 ** Arjun Mahajan Pune, India
 m* Jacob William Meister Taylorville, Illinois
 Noah Bradley Thomas Indianapolis, Indiana

**Double Major in SOFTWARE ENGINEERING
and COMPUTER ENGINEERING**

** Xinyu Shen Shanghai, China

Double Major in SOFTWARE ENGINEERING and COMPUTER SCIENCE

** Joanna Elizabeth Garrett Livonia, Michigan
 S*** Daniel Hiro-ichi Johnson Columbia, Missouri

***Anticipated Summer or Fall Completion*
COMPUTER SCIENCE**

Patrick Thomas Barr Savannah, Georgia
 Mengyue Chen Xi'an, China
 Anand Joy Desai Mumbai, India
 † Yihui Feng Wuxi, China
 Jackson Tate Hansel Terre Haute, Indiana
 Aden Ayaz Khan Omaha, Nebraska
 William Joseph McEvoy Barrington, Illinois
 † Jacob Gross Rosenberg Ridgewood, New Jersey
 Dylan Michael Scheumann McCordsville, Indiana
 Caleb Garin Schlundt Waveland, Indiana
 Zachary Robert Thelen Carpentersville, Illinois
 † Yijing Zhou Wuxi JS, China

Double Major in COMPUTER SCIENCE and ECONOMICS

Christian Lee Stout Glen Ellyn, Illinois
 Yinzhe Zhang Shanghai, China

Double Major in COMPUTER SCIENCE and MATHEMATICS

† Joy Alexandria Stockwell Scottsdale, Arizona

SOFTWARE ENGINEERING

Mohammed Abbas Ali	Flower Mound, Texas
Maura Theresa Coriale	Lexington, Kentucky
Chase Gibson Horne	San Diego, California
Jack Michael McGlynn	Lake Bluff, Illinois

ELECTRICAL AND COMPUTER ENGINEERING

ELECTRICAL ENGINEERING

***	Jacob Andrew Back	Harrison, Ohio
m***	Erik Peter Bothe	Pittsburgh, Pennsylvania
	Jackson Lee Cook	Noblesville, Indiana
m**	Caitlin Therese Coverstone	Longview, Texas
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	Tyler Nicholas Foster	La Mesa, California
**	Christopher Ryan Fusaro	Chandler, Arizona
**	Patricia Ann Giraldo	Fort Wayne, Indiana
***	Hailey Vera Heidecker	Newburgh, Indiana
S	Rylan Robert Kammerer	Colorado Springs, Colorado
m*	Zechariah Gustav Kaufman	Alhambra, Illinois
**	Michael Bryan Kelly II	New Bremen, Ohio
m*	Devin Ellis Kiesel	Poseyville, Indiana
	Damon Alexander Kintner	Arcadia, Indiana
**	Hugh Richard Kipp II	Oakwood, Ohio
**	William Tyler Kocar	West Chester, Ohio
m**	Alexander Phillip Mazany	Grosse Ile, Michigan
**	Kyle Allen Mehringer	Jasper, Indiana
	Joshua Lee Melvin	Speedway, Indiana
*	Tyler Daniel Nottingham	Jasper, Indiana
**	Justin Kazunori Ogasawara	Mililani, Hawaii
	Nathan Alan Pryor	Crawfordsville, Indiana
**	Allison Enhui Shi	Greenwood, Indiana
*	Genhao Shi	Dalian, China
	Noah Jonathan Smith	Indianapolis, Indiana
*	Haoxuan Sun	Xingtai, Hebei, China
**	Zichen Tan	Beijing BJ, China
**	Tyler William Townsend	Danville, Indiana
*	Jocelyn Charlotte Tsai	Cleveland, Ohio
	Dylan Matthew Turner	Garland, Texas
***	Wesley Benjamin Turner	Rexford, New York
	Ryan Michael Walter	Fairfield, Illinois
m	Jonathan Lucas Wampler	Valparaiso, Indiana
	Coleman Anthony Weaver	Elkhart, Indiana
	Andrew Hoy Wilson	Brownsburg, Indiana
**	Zewei Xiang	Shenzhen, China
	Jonah Patrick Yates	Cincinnati, Ohio

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* Charles Ward Nourse Mechanicsville, Virginia

COMPUTER ENGINEERING

** Aman Bajaj Mumbai, India
Terrance Jerome Ballard II Louisville, Kentucky
* Worden Pope Barr Louisville, Kentucky
** Blake Kenneth Bickel Westminster, Colorado
m Shunhao Cai Shanghai, China
Nicklas Paul Carpenter Lancaster, Ohio
Lucas Dana Clinton Wadsworth, Ohio
A* Geoffrey Max Cohen Pittsburgh, Pennsylvania
** William Holbrook Dalby Windsor, Pennsylvania
* Emily Ann Dougherty Terre Haute, Indiana
m Jason David Duncan Harrison, Ohio
Ryan Jacob Epstein Plantation, Florida
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Yujie He Shanghai, China
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** Lawrence Ko Rowland Heights, California
m Yushan Liu Nanjing, China
Craig Anthony McGee, Jr. Loveland, Ohio
Mason Storm McKeen Indianapolis, Indiana
* Kristen Anne McKellar Elgin, Illinois
Katherine Pilar Orbeta Alameda, California
** Neil Roy Addison, Illinois
Hyang Seo Louisville, Kentucky
* Victoria May Szalay Poland, Indiana
** Ryan Charles Taylor Mattoon, Illinois
** Heda Wang Changchun, China
** Kristian Filip Zadlo River Forest, Illinois

Double Major in COMPUTER ENGINEERING and COMPUTER SCIENCE

** Christopher Michael Comeau North Billerica, Massachusetts
*** Marc Jacob Fournier Martinsville, New Jersey
*** Andrew Dylan Johnson Quincy, Indiana
*** Eric Scott Kirby LaGrange, Kentucky
Shuai Yuan Carmel, Indiana

Double Major in COMPUTER ENGINEERING and MATHEMATICS

S*** Pierce Gregory Ferner Kent, Ohio

Anticipated Summer or Fall Completion

ELECTRICAL ENGINEERING

Austin Gregory Butcher Forestville, New York

COMPUTER ENGINEERING

	Brison Bradford Mondry	Blacksburg, Virginia
†	Leding Ren	Beijing, China
†	Peter James Venema	Oakwood, Ohio

ENGINEERING DESIGN

*	Youhua Lu	Beijing, China
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	Killian Connor Bailey	Rochester, Indiana
†	George Bulger	Mason, Ohio

MATHEMATICS

MATHEMATICS

m	Viktor Zoran Blesic	Lebanon, Indiana
*	Logan James Cody	Chatham, Illinois
*	Noah Alexander Heckenlively	Hillsdale, Michigan
*	Hao Hu	Hangzhou, China
	Tianyi Wen	Chengdu, China
**	Yu Xin	Jiaxing, Zhejiang, China

Double Major in MATHEMATICS and COMPUTER SCIENCE

**	Aaron Fredrick Glave	Lake Zurich, Illinois
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Double Major in MATHEMATICS and DATA SCIENCE

**	Minghui Sun	Beijing, China
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BIOMATHEMATICS

**	Kathi Leigh Muñoz-Hofmann	Wilmore, Kentucky
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Anticipated Summer or Fall Completion MATHEMATICS

	Haulein Frank McInerney	Terre Haute, Indiana
	Madison Lee Robertson	Terre Haute, Indiana
	Seiji Ross Takagi	Hastings-on-Hudson, New York

MECHANICAL ENGINEERING

*	Abdullrahaman Hadban Alasiri	Asir, Saudi Arabia
*	Husam Mustafa M Altoonisi	Tabuk, Saudi Arabia
A	Tanner Nathan Amason	Woodstock, Georgia
**	Ryan Michael Antenore	Beavercreek, Ohio
A	Raymond Christian Becerra	Mesquite, Texas
**	Derek Arthur Beck	Sugar Grove, Illinois
**	Noah Wolfgang Becker	Richmond, Indiana
	William Shane Boyce	Greencastle, Indiana
m**	James Conrad Brandon	Anderson, Indiana
	Kaitlyn Mary Breeding	Clayton, Indiana
*	Trever Jacob Bruno	Seabrook Island, South Carolina
	Quintin Ellis Bynum	Louisville, Kentucky
**	Zachary Keith Callahan	Danville, Indiana
*	Alexander James Carr	Zionsville, Indiana
*	Leo Chen	Taipei, Taiwan
	Kevin Chou	Taipei, Taiwan
	Allison Belinda Curtis	Greenwood, Indiana
	Jason Franklin Danford, Jr.	San Pierre, Indiana
*	Matthew Robert Danzl-Tauer	Belvidere, Illinois
*	Katherine Margaret Demert	Cary, Illinois
**	Jacob Michael Deniston	San Diego, California
	Preston Scott Denton	Dayton, Ohio
	Helen Elizabeth Dones	Clayton, Indiana
*	Kyle Wayne Dowers	Brownsburg, Indiana
**	Dawson Everett Dunnuck	Columbus, Indiana
	Charles Christopher Earle	Carmel, Indiana
***	Joshua David Eckels	Evansville, Indiana
*	Azariah James Ellis	Zionsville, Indiana
**	Zachariah Benjamin Eme	Livermore, California
*	Anderson Joseph Ernst	Hamilton, Ohio
m**	Jun Fan	Shanghai, Shanghai, China
	Skyler Loam Ferguson	Escondido, California
	Keagan Alexander Finkenbine	Dunlap, Illinois
	Joshua Ryan Fisher	Powell, Ohio
**	Elizabeth Carol Foesch	Kokomo, Indiana
m*	Stacy Kristine Fox	Westport, Indiana
	Colleen Nicole Fulton	Dunbarton, New Hampshire
*	Yunfei Gao	Suzhou JS, China
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m	Nicholas David Gerber	Oswego, Illinois
m**	James Edward Geyer III	Fort Wayne, Indiana
	Zachary Daniel Godiner	Chesterfield, Missouri
**	Max Thomas Gogel	Bettendorf, Iowa
	Nathan William Griesbaum	Saint Joseph, Michigan
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 Shaine Xavier Mitchell Indianapolis, Indiana
 n** Andrew Jacob Novotny Morristown, New Jersey
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 A* Ethan Sungpil Park McCordsville, Indiana
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 ** Margaret Mary Sheerin Caseyville, Illinois
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 Caleb Shen Placentia, California
 ** Mary-Helen Danga Shomba Round Rock, Texas
 m Nicholas James Starheim Leesburg, Virginia
 ** Austin Nicholas Strozier Houston, Texas
 * Adam Keith Sturgeon West Lafayette, Indiana
 *** Ryan Madhu Tarr Louisville, Kentucky

*	Naveen Mathew Thomas	Cupertino, California
	Jessica Elizabeth Thuer	Cicero, Indiana
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Double Major in MECHANICAL ENGINEERING and BIOMEDICAL ENGINEERING

	Adekité Oladipupo	Decatur, Illinois
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Double Major in MECHANICAL ENGINEERING and COMPUTATIONAL SCIENCE

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Double Major in MECHANICAL ENGINEERING and COMPUTER SCIENCE

**	Philip James Bissmeyer	Cincinnati, Ohio
*	Siwei Xu	Wuhan, China

Double Major in MECHANICAL ENGINEERING and ENGINEERING PHYSICS

S**	Alec Anatolio Sanabria	Germantown, Wisconsin
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Double Major in MECHANICAL ENGINEERING and MATHEMATICS

**	Katana Marie Colledge	Bloomington, Illinois
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†	Samuel Charles Alvares	Colorado Springs, Colorado
A	Nicholas Paul Barr	Fishers, Indiana
	Thakir Idris Berhane	Indianapolis, Indiana
	Kyle Aiden Brown	Centerpoint, Indiana
	Luke Thomas Burke	Springfield, Illinois
†	Boyang Chen	Changzhou, China
	Robert Kyle DeBerry	Upperville, Virginia
	Jabari-Aman William-Taray Delemore	Indianapolis, Indiana
	William Robert Detterman	Calabasas, California
	Nilesh Dey	Fremont, California
	Marisa Dominique Dimperio	Pittsburgh, Pennsylvania
	Robert Scott Gaertig	Racine, Wisconsin
	Braiden Kane Hardesty	Panama City Beach, Florida
†	Vikram Hari	Edison, New Jersey
	Garrett Meyer Jacobs	Cumberland Foreside, Maine
	Garrett Russell Lowe	New Midway, Maryland
†	Mitchell Owen Lugsch	Golden, Colorado
A	Tristin Edward Maesch	Clinton, Indiana

†	Dean Alan Netzler	Rockville, Indiana
	Nikhil Prakash	Cupertino, California
	Ashley Marie Shepherd	Pendleton, Indiana
	Lucas Wayne Strain	Bedford, Indiana
	Xiaolin Sui	Qingdao, China
A	Ryleigh Alexandria White	Fort Wayne, Indiana
†	Nicolas Rowan Witzke	Bloomington, Indiana
	Jingyu Zhao	Chengdu, China

PHYSICS, OPTICAL ENGINEERING, AND ENGINEERING PHYSICS

PHYSICS

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Two Degrees: PHYSICS and MECHANICAL ENGINEERING

m Chenyu Wang Shenyang, China

Triple Major in PHYSICS, ENGINEERING PHYSICS, and MATHEMATICS

S** Nathaniel Ryan Fried Zionsville, Indiana

Double Major in PHYSICS and MATHEMATICS

m** Yifei Xiao Wuhan, Hubei, China

Double Major in PHYSICS and MECHANICAL ENGINEERING

** Wei Jonah Li Kuala Lumpur, Malaysia

OPTICAL ENGINEERING

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m Matthew James Schneider Terre Haute, Indiana

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Samuel John Vidourek Hamilton, Ohio

Double Major in OPTICAL ENGINEERING and MECHANICAL ENGINEERING

* Samuel Scott Ridgley Lebanon, Ohio

ENGINEERING PHYSICS

S* Noelle Valerie Hale Encinitas, California

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Cassidy Rose Schichnes Walnut Creek, California

MASTER OF ELECTRICAL AND COMPUTER ENGINEERING

Chuhan Feng Lianyungang, Jiangsu, China

MASTER OF ENGINEERING MANAGEMENT

n Jacob Ahlrichs Untener Kettering, Ohio
Russell Dean Varvel Avon, Indiana
Quentin Lee Yockey Indianapolis, Indiana

MASTER OF SCIENCE

ELECTRICAL ENGINEERING

a Gavin Michael Karr St. Charles, Illinois
*Inter-slice Compression and Reconstruction of Glioma MRI Data
Using Encoder-Decoder Neural Networks*
Thesis Advisor: Professor Michael McInerney

Brendan Neil Mulholland Hammond, Indiana
*A Novel Technique for Sample Point Discovery and Its Use in a Proposed Broadcast
Confusion Attack on High Speed Controller Area Networks*
Thesis Advisor: Professor Zachary Estrada

a David A Weldon Winamac, Indiana
*Negative-triangularity Configuration on EAST: Analysis of Engineering Limitations
on Superconducting, D-shaped, Target-diverted Plasma*
Thesis Advisor: Professor Clifford Grigg

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

m Jake Joonha Joo Naperville, Illinois
Design of a Miniaturized Imaging System for As-built Performance
Thesis Advisor: Professor Hossein Alisafae

SOFTWARE ENGINEERING

m Jonathan Charles Ogilvie Westfield, Indiana
Productizing a Mobile Application and Creating a Continuous Delivery Pipeline
Project Advisor: Professor Shawn Bohner

SYSTEMS ENGINEERING AND MANAGEMENT (INTERNATIONAL PROGRAM)

a Daniel Julian Patzer Ulm, Germany
Multi-hop Reasoning in Knowledge Graphs
Thesis Advisor: Professor Dirk Bank

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