

Spring 5-29-1999

1999 Rose-Hulman Institute of Technology : One-Hundred and Twenty-First Commencement

Rose-Hulman

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125 *Years*



Rose-Hulman
INSTITUTE OF TECHNOLOGY

*One Hundred and Twenty-First
Commencement
May 29, 1999*

One Hundred and Twenty-First

Commencement

of

Rose-Hulman Institute

of Technology



11 a.m., May 29, 1999
Sports and Recreation Center

Commencement Program

Prelude	“Chaconne” by Louis Couperin
Academic Procession	Jess R. Lucas, B.S., M.S., Ph.D. <i>Marshal</i>
Processional.....	“Prince of Denmark March” and “Trumpet Tune” by Henry Purcell
National Anthem	Andrew R. Mech, B.S., M.S., Ph.D. <i>Professor of Mechanical Engineering</i>
Invocation	Christopher N. Repa <i>President, Student Government Association</i>
Greeting from the Alumni	Ray V. Frischkorn, B.S. <i>President, Alumni Association</i>
Response from the Senior Class	John D. Rivard <i>President, Senior Class</i>
Introduction of Commencement Speaker	Morgan A. Hawker <i>President, Tau Beta Pi</i>
Commencement Address	Ronald W. Dollens <i>President & CEO, Guidant Corporation</i>
Organ Interlude	“Cantilena” by Carl Simone
Awarding of Heminway Medal	Barry A. Benedict, B.S., M.S., Ph.D. <i>Vice President for Academic Affairs</i>
John T. Royse Award	Jess R. Lucas <i>Vice President for Student Affairs</i>
Herman A. Moench Distinguished Senior Commendation	Keith E. Hoover B.S., M.S., Ph.D. <i>Herman A. Moench Distinguished Professor</i>
Awarding of Honorary Degrees	Samuel F. Hulbert, B.S., Ph.D. <i>President, Rose-Hulman Institute of Technology</i>
William Bannon, M.D., (Doctor of Science), Introduced by Thomas D. Miller, B.S., M.S.	
Ronald W. Dollens (Doctor of Engineering), Introduced by Lee R. Waite, B.S., M.S., Ph.D.	
Marylin Leinenbach (Doctor of Science), Introduced by John J. Kinney, B.S., M.S., Ph.D.	
Glen Raque (Doctor of Engineering), Introduced by Leland K. Shirely, B.S., M.S., Ph.D.	
Thomas Tarzian (Doctor of Engineering), Introduced by Barry J. Farbrother, B.Sc., Ph.D.	
James F. Vance (Doctor of Engineering), Introduced by Brij Khorana, M.S., Ph.D.	
Presentation of Fifty-Year Commemorative Degrees	Samuel F. Hulbert
Conferring of Degrees	Samuel F. Hulbert
Dean’s Outstanding Teacher Award	Barry A. Benedict
Board of Trustees’ Outstanding Scholar Award	B. Guille Cox, Jr. <i>Chairman of the Board of Trustees</i>
President’s Outstanding Service Award	Samuel F. Hulbert
Alma Mater	D. Eric Anders, Sara L. Brown, Heather Dubiel-Stradley, Brian J. Duggan, Amy J. Gainey, Abigail A. Garrett, Morgan A. Hawker, Michael D. Kosloski, Derek N. Lengacher, Stuart S. Light, Sara R. Miller, Robert G. Raque, Malcolm S. Talbot
Benediction	Ryan D. Vaught <i>President, Blue Key</i>
Recessional	“Nun Danket” by Bach/Fox
Postlude	“Rigaudon” by Campra/Fox
Organ Music by Alfred R. Schmidt, B.S., M.S. <i>Professor Emeritus of Mathematics</i> (Allen Digital Organ through courtesy of Samuel Music of Effingham, Illinois)	

Honorary Degrees

Doctor of Science

William G. Bannon
Physician
Terre Haute, Indiana

Through his leadership and professionalism, Dr. William Bannon has received numerous honors for the significant contributions to improving the mental and physical health of people in the Wabash Valley.

He has twice been honored by Indiana governors for his devotion to the art and science of healing, and for his community volunteerism. The Indiana State Mental Health Association honored him as Physician of the Year. Bannon received the Terre Award, the highest honor presented by the Terre Haute community for volunteer service, and he is the recipient of the Chapman S. Root Award presented by Hospice of the Wabash Valley.

Bannon graduated from the Indiana University School of Medicine. He served as a member of the Indiana University Board of Trustees, and as a director of the Indiana University Foundation. Bannon has served as chairman of several Indiana State Medical Association commissions, and as clinical professor of medicine at the Indiana University Center for Medical Education.

He has been a board member of the United Fund, Terre Haute Chamber of Commerce, Hamilton Center and Citizens Bank of Western Indiana. The Rose-Hulman community is fortunate to benefit from Bannon's devotion and medical expertise as a result of his work as a member of the campus health center staff.

Doctor of Engineering

Ronald W. Dollens
President and Chief Executive Officer
Guidant Corporation
Indianapolis, Indiana

Ronald Dollens has led the Guidant Corporation to a position as one of the world's leaders in the design and development of medical devices for heart and artery-related disorders. Prior to the formation of Guidant, he served as president of Eli Lilly and Company's Medical Devices and Diagnostics Division. He has also served as president of Advanced Cardiovascular Systems.

Guidant is a \$1 billion company with nearly 5,000 employees, headquartered in Indianapolis.

In addition to his corporate responsibilities, Dollens finds time to be an active volunteer for many civic and professional organizations. He serves on the boards of the St. Vincent Hospital Foundation, Beckman Coulter Corp., the Eiteljorg Museum, the Health Industry Manufacturers Association, the Indiana State Symphony Society and he is president of the Indiana Health Industry Forum.

Dollens, a native of Danville, Indiana, received a Bachelor of Science degree in pharmacy from Purdue University and a Master of Business Administration degree in marketing from Indiana University.

Doctor of Science

Marylin T. Leinenbach
Mathematics Teacher
Chauncey Rose Middle School
Terre Haute, Indiana

Marylin Leinenbach has received national recognition for her innovative, hands-on teaching approach that has increased middle school students' interest in mathematics. Last year, Leinenbach was presented with the prestigious American Teacher Award in mathematics by the Disney Company. She has been a finalist for the Presidential Award for Excellence in Science and Mathematics Teaching. In 1996, Leinenbach was presented with the Outstanding Teacher Award from Rose-Hulman Institute of Technology. She has also received the Excellence in Teaching Award from the Vigo County Education Foundation and the Golden Apple Award for her contributions to teaching.

Leinenbach has been a featured speaker at education conferences sponsored by the National Council of Teachers of Mathematics, the Association of Teacher Educators and the National Middle School Association. She is the co-author of articles published in the Middle School Journal, In Focus and Contemporary Education.

Now in her 25th year of teaching, Leinenbach received her Bachelor of Arts degree in mathematics from Saint Mary-of-the-Woods College.

Doctor of Engineering

Glen Raque
President and Chief Executive Officer
Raque Food Systems
Louisville, Kentucky

Glen Raque is the founder of a company that is a leader in the manufacture of food packaging and preparation equipment that serves a worldwide market. Raque Food Systems, Inc., was created 24 years ago and now has offices in Australia, England, Germany, Japan, Taiwan and the United States. Raque earned a Bachelor of Science degree from Rose-Hulman Institute of Technology in 1969. He has been awarded 34 patents including 10 foreign patents for various mechanisms used in the packaging industry.

Rose-Hulman honored Raque in 1984 by presenting him with a Distinguished Young Alumnus Award which is awarded for exceptional career achievements. He is also a member of the Rose-Hulman National Board of Advisors. Raque served as a member of the Computers in Undergraduate Education Task Force of the Commission on the Future of Rose-Hulman. Raque has been honored by the Boy Scouts of America for his volunteer leadership to help youth in his hometown of Louisville. He also serves as a member of the Board of Advisors of St. Xavier High School in Louisville.

Joining Raque on the commencement stage during today's ceremony will be his son, Robert, who will receive a Bachelor of Science degree in computer engineering.

Doctor of Engineering

Thomas Tarzian
Chairman and President
Sarkes Tarzian, Incorporated
Bloomington, Indiana

Thomas Tarzian is the head of a pioneering company in the broadcasting industry. Sarkes Tarzian, Incorporated operates radio and television stations in Indiana, Tennessee and Nevada. The company was among the nation's first commercial television and FM radio broadcasters. It was also among the first designers and manufacturers of television broadcast equipment and tuners for television receivers. Tarzian graduated from Rose-Hulman Institute of Technology in 1968 earning a Bachelor of Science degree in electrical engineering.

He began his career as a semiconductor development engineer at Sarkes Tarzian in Bloomington, Indiana, immediately after graduation. Tarzian became publisher of the Bloomington Courier-Tribune. He later returned to Sarkes Tarzian to serve as vice president for four years.

He was named vice chairman and president of the company in 1976. Tarzian has served as chairman and president of the business since 1987. He is a member of the Board of Directors of the American Spectator Educational Foundation.

Doctor of Engineering

James F. Vance
Chief Executive Officer
JFV Associates
Spencer, Indiana

James Vance is an entrepreneur who has used his engineering expertise to create companies involved in the development and manufacture of medical products. He founded three companies which manufacture urological specialty devices.

Vance's early career included an eight-year period as manager of quality control for Alcoa. In 1960, he became program manager for the Minuteman II project for RCA, and later joined National Semi-conductor Corporation as product reliability manager. His first venture into the medical products industry was as general manager for American Latex Corporation. In 1977, he founded his first company, Vance Products. Two other companies, Van-Tech, Inc. and Medical Polymers Inc. were created between 1981 and 1988. In 1988, CCA, a medical clinic in Arizona, was formed.

Vance earned the Bachelor of Science degree from the University of Missouri-Rolla, and the master's in applied and mathematical statistics and quality control from Rutgers University. The University of Missouri-Rolla honored him in 1994 as an outstanding entrepreneur. He has been a member of the board of directors of the Spencer-Owen County Association for Retarded Citizens, and the Spencer Owen Housing Opportunities; and president of the Spencer Owen County Economic Development Corporation and the county's Chamber of Commerce.

Fifty-Year Commemorative Degrees

For one hundred and twenty-five years, Rose-Hulman alumni have been making positive contributions to society as engineers and scientists. 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 engineers, scientists and concerned citizens translate into a reputation of quality for their alma mater.

Today, we recognize the contributions of the Class of 1949 by presenting commemorative degrees to those men 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 1949 returned to campus for today's ceremony.

Class of 1949

Paul W. Atkinson	Brazil, Indiana
Robert E. Campbell	Louisville, Kentucky
Paul S. Collignon	Indianapolis, Indiana
Cyrus W. Cox	Rapid City, South Dakota
Harry Craig, Jr.	Robinson, Illinois
Max Duggins	Fairborn, Ohio
Jack J. Ellis	Chesterfield, Missouri
George A. Foltz	Walton, Kentucky
C. Gordon Hayes	Terre Haute, Indiana
Aaron G. Hogg	St. Louis, Missouri
Robert E. Jenkins	Carmel, Indiana
Wayne E. McCoy	Bethlehem, Pennsylvania
George W. Mitchell	Louisville, Kentucky
Herbert L. Patterson	Terre Haute, Indiana
Ben A. Richardson, Jr.	Indianapolis, Indiana
I. Joseph Roberts	Schererville, Indiana
Robert L. Royer	Louisville, Kentucky
Alfred R. Schmidt	Terre Haute, Indiana
George H. Stearley	Lima, Ohio
John V. Titsworth	Shorewood, Minnesota
Ralph L. Trimble	Findlay, Ohio
John Wargo, Jr.	Florence, Alabama
Norman R. Weller	Houston, Texas
John D. Winters	Morris, Illinois

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.

* <i>Cum Laude</i>	G	Technical Translators Program—German
** <i>Magna Cum Laude</i>	A	U.S. Army Commission
*** <i>Summa Cum Laude</i>	AF	U.S. Air Force Commission
	C	Consulting Engineering Program
	M	Management Studies Certificate
	I	Imaging Systems Certificate
	S	Semiconductor Materials and Devices Certificate

Master Thesis indicated in *Italics*

Graduation Date Designations

Special codes indicate students who completed their degree requirements prior to May 29, 1999. Those designations are:

- a August 29, 1998
- n November 19, 1998
- f February 25, 1999

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, although black is the basic color of the majority of academic gowns. The doctor's gown is faced down the front with velvet panels and has three velvet crossbars on each sleeve. The velvet may be black or may be the color which represents the field in which the degree was conferred.

RHIT 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 black tassel.

RHIT Master's Degree Attire

Master's degree hoods for Rose-Hulman Institute of Technology are black, lined with rose satin and white satin chevron and edged in golden yellow velvet. With the gown and hood is worn a black mortarboard with black tassel.

Rose-Hulman Institute of Technology

Candidates for Degrees

Bachelor of Science

CHEMICAL ENGINEERING

	Phillip Gene Abell	Roann, Indiana
**	Aaron Bruce Abercrombie	Mill Village, Pennsylvania
	Peter Richard Allabaugh	Fulton, Michigan
*	David Ericson Anders	Paris, Illinois
	Peter August Anderson	Plymouth, Michigan
*	Charles Walter Arnett	Washington, Indiana
**	Michael John Bach	Bellevue, Washington
	Chad Matthew Belschner	Fort Wayne, Indiana
	Angela Marie Belsky-Vaughan	Hanover, Indiana
C*	Chantel Nicole Booth	West Union, Illinois
G	Lucas John Bowser	Sheboygan, Wisconsin
	Robert Joseph Carpenter	Lexington, Kentucky
***	Jason Griffey Carter	Avon, Indiana
	Craig Stephen Clark	Plainfield, Indiana
*	Michelle Renee Clark	Robinson, Illinois
G***	Jeremy Scott Conner	Portage, Indiana
	Michael Ross Ellis	Bloomington, Indiana
	Clay David Fette	Crete, Nebraska
**	Michael Stewart Foster	Greenfield, Indiana
**	Amy Jo Gainey	Massillon, Ohio
*	Gary Michael Gordon	Morris, Illinois
G*	Andrew Stephen Grahn	Wadesville, Indiana
	Dawn Michelle Griswold	Mount Vernon, Indiana
	Michael Dean Grogg	Decatur, Indiana
	Eric Thomas Hartfiel	Hudson, Wisconsin
	Amy Elizabeth Ott Hatfield	North Salem, Indiana
*	Jason Parks Hatfield	Minonk, Illinois
**	Kimberly Suzanne Hayden	Coatesville, Indiana
G***	Gavin Michael Hoch	Irwin, Pennsylvania
*	Danial Nathan Hohne	Jacksonville, Florida
	Michael Wade Humes	Decatur, Illinois
	Ryan Daniel Kennedy	Indianapolis, Indiana
*	Eric Michael Kleen	Minonk, Illinois
**	Holli Jean Krumbein	Pendleton, Oregon
	Joseph Daniel Lathey	Ripley, West Virginia
*	Troy Lee Leutz	Jackson, Michigan
	Timothy Christian Link	Carlinville, Illinois
	Peter Christopher Mader	Ripon, Wisconsin
	Lawrence Joe Morin	Elkton, Kentucky
	William Christopher Morphew	Terre Haute, Indiana
	Thu Vu Pham	Des Moines, Iowa
	Jeremy David Pugh	Wabash, Indiana

	Christopher Nicholas Repa	Tinley Park, Illinois
*	Bradley Scott Rosenberger	Brookville, Indiana
	Benjamin Lorne Roth	Terre Haute, Indiana
	Casey Marie Sandow	Midland, Michigan
	Matthew Ryan Simon	Terre Haute, Indiana
*	Christopher Brandon Slaughter	Pendleton, Indiana
	Rebecca Christine Smith	Speedway, Indiana
**	Amanda Kathleen Speich	Stillwater, Minnesota
	William George Swan III	Saylorsburg, Pennsylvania
**	Matthew Allen Talbert	Fairfield, Illinois
***	Malcolm Seth Talbot	Joliet, Illinois
G	Amy Clare Taylor	Dunn Loring, Virginia
	James Michael Teeter	Grand Rapids, Michigan
C	Chad William Trembath	Chisholm, Minnesota
	Jill Nicole Troxel	Paris, Illinois
	Justin C. Watts	Mount Vernon, Illinois
	Daniel Jonathan West	Fenton, Michigan
	Brent Ryan Yeryar	Jasonville, Indiana

Double Major in CHEMICAL ENGINEERING and CHEMISTRY

***	Liza Jane Saunders	Bird Island, Minnesota
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Two Degrees: CHEMICAL ENGINEERING and MECHANICAL ENGINEERING

**	John Joseph Straigis, Jr.	Dallas, Pennsylvania
**	Ann Marie Christensen Talbert	Tipton, Indiana

CHEMISTRY

*	Edward Forrest Crowell	Gladstone, Missouri
	Matthew Clayton Embry	Indianapolis, Indiana
**	Stephen Floyd McIrvin	Herndon, Virginia
	Michael Henry Ober	Belleville, Michigan
	Maegan Michele Peabody	Columbus, Indiana
	Bryan Ross Rushing	Corpus Christi, Texas
G*	Jennifer Caroline Schroeder	New Albany, Indiana

Double Major in CHEMISTRY and MATHEMATICS

	Erin Lea Gawron	Avon, Indiana
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CIVIL ENGINEERING

	Amber Lee Ashlock	Lafayette, Indiana
A	Kristen Nichole Dahle	Terre Haute, Indiana
*	Scott Jacob Davis	Indianapolis, Indiana
	Bradley Noel DeBruler	Cambridge City, Indiana
	Luke Andrew Dimke	Michigan City, Indiana
AF	Paul Francis Edwards	Cincinnati, Ohio
C	Suzanne Ellett	Amarillo, Texas
C**	Morgan Alane Hawker	Charleston, Illinois

	Anthony Jay Hinkle	Indianapolis, Indiana
**	Jeanne Marie Hudson	Soquel, California
	James Taylor Inge	Mildenhall, Suffolk, England
*	Bradley Joe Jones	Montezuma, Indiana
	James Chad Leinart	Seymour, Indiana
**	George Wilber Lewis IV	Bloomington, Indiana
*	Scott Allen McBrayer	Cincinnati, Ohio
	Benjamin Carl Merckling	Eagle, Colorado
	Joseph Lee Miller	Bunker Hill, Indiana
	Joseph Neil Mize	Sullivan, Indiana
A	Wallace Kirk Myers III	Bloomfield, Indiana
	William Stuart Odle	Winchester, Kentucky
*	Colleen Annette Patrick	Powell, Wyoming
	Bradley Clark Pigott	Fairmont, West Virginia
A	Gary Joseph Pool	Paris, Illinois
	Timothy Wayne Rohe	Brazil, Indiana
	Joseph Ray Schmeltzer	West Harrison, Indiana
*	Sean Dolan Stoughton	Cheyenne, Wyoming
	Joshua Clinton Williford	Sterling, Kansas

COMPUTER SCIENCE

	George Carroll Bergstrom	Normal, Illinois
	John Franklin Boozer	Pomaria, South Carolina
	Carrie Marie Fish	Rockwood, Michigan
*	Jeremy Lewis Ford	Robinson, Illinois
*	Jeffrey Edward Frank	Crown Point, Indiana
	Erica Kazuko Gnajek	Hammond, Indiana
	Willard Andrew Gray	Indianapolis, Indiana
G	Christopher J. Heacock	Martinsville, Indiana
	Nathaniel Stephen Ingalsbe	Selma, Indiana
	Enrique Lara	Mount Vernon, New York
	Stuart Sinclair Light	Indian Harbor Beach, Florida
	Christian Armstrong Low	Hilton, New York
f	George V. Messoroch	Terre Haute, Indiana
**	Kevin Lee Meyer	Newburgh, Indiana
G	Justin Fredrick Morey	Hammond, Indiana
*	Sandra Christine Nicol	Carlisle, Indiana
	Benjamin Patrick O'Day	Terre Haute, Indiana
*	Brian Alan Rogers	Portage, Indiana
G*	Brice D. Ruth	Michigan City, Indiana
	Douglas Robert Surfleet	Los Altos, California
	Doris Woo	Indianapolis, Indiana

Double Major in COMPUTER SCIENCE and ECONOMICS

	Jassem Saleh Busaibe	Terre Haute, Indiana
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Double Major in COMPUTER SCIENCE and MATHEMATICS

f	Brian Michael Dols	Abu Dhabi
*	Andrew Tatum Harrison	Palisade, Nebraska
n**	Richard Scott Taylor	Russiaville, Indiana

ELECTRICAL AND COMPUTER ENGINEERING

ELECTRICAL ENGINEERING

SAF**	Christopher James Bradley	Laurel, Montana
*	Scott Allen Conklin	Fort Branch, Indiana
	Jessica Margaret Demlein	Memphis, Tennessee
**	Brian Joseph Duggan	Ashland, Kentucky
	Philip Christopher Ewert	Saint Charles, Missouri
	Andrew Nolan Figg	Spencer, Indiana
	Kurt Matthew Fledderman	Batesville, Indiana
	Abigail Adele Garrett	Indianapolis, Indiana
	Samuel Frank Giordano	West Point, New York
	Brian Joseph Hart	Columbus, Indiana
	Henry Weeks Heist, Jr.	Lafayette Hill, Pennsylvania
	Matthew William Hildebrand	Sunman, Indiana
**	Matthew Wayne Hobbs	Soldotna, Alaska
**	Kraig Ander Jakobsen	Marion, Illinois
*	Chadd Frederick Jenkins	Sullivan, Indiana
*	Christopher Aidan Johnson	Fargo, North Dakota
*	Kerryn Diane King	Johannesburg, South Africa
*	Scott Patrick Kokoska	Rockville, Indiana
G	Michael Douglas Kosloski	Manitowoc, Wisconsin
*	Kelly Nicolette Kozdras	Calumet City, Illinois
*	Derek Neil Lengacher	Odon, Indiana
AF**	Steven Howard Lerda	La Plata, Maryland
CG**	Craig Michael Martini	West Harrison, Indiana
**	Benjamin David Maxson	Wauseon, Ohio
	Thomas Joseph Meyers	Brookston, Indiana
	Philip Stephen Pickering	Wallingford, Connecticut
**	Kent Byron Randolph	Floyds Knobs, Indiana
	Jason Matthew Richardson	Connersville, Indiana
	Damien LaRoy Robinson	New Albany, Indiana
	Shanna Lynn Rogers	Rochester, Indiana
**	Kenneth Mark Rossi	St. Croix, Minnesota
*	Joseph James Sacher	Jeffersonville, Indiana
	Jeremy Lee Schoen	Corydon, Indiana
	James Daniel Spring	Evansville, Indiana
	Donald Keith Stash II	Griffith, Indiana
	Richard McSweeney Tate	Gaffney, South Carolina
f*	Warren Daniel Timmer	Terre Haute, Indiana
	Kevin Louis Tretter	Ferdinand, Indiana
	Sean Gregory Valentine	Pendleton, Indiana
	Michael Wayne Wydick	Beaver Dam, Kentucky

Double Major in ELECTRICAL ENGINEERING and COMPUTER SCIENCE

**	Lewis Lee Henry	Oblong, Illinois
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COMPUTER ENGINEERING

	Eric D. Adams	Lafayette, Indiana
	Judah Yom Alt	Watertown, New York
C	Erik Brian Baugues	Parker, Colorado
AF*	Andrew Jeffrey Emery	Cincinnati, Ohio
	Bryan John Evenson	Neillsville, Wisconsin
*	Eric Lee Ferguson	Shelbyville, Indiana
	Nathan Francis Fitzgerald	Cedar Falls, Iowa
MC*	Matthew James Thomas Gumbel	Fort Wayne, Indiana
**	Harry Theodore Johnson	Indianapolis, Indiana
	Kevin Joseph Kaminski	Lakeville, Florida
**	Joseph Edward Kidd	O'Fallon, Illinois
AF**	Christopher Norwood King	Gautier, Mississippi
	Joseph Richard Klida	Memphis, Michigan
	Edward Nathan Linen	Montpelier, Indiana
	Christian Dieudonne Mboula	Gabon, Libreville
	Sara Rachel Miller	Georgetown, Kentucky
	Marco Antonio Morales	Portage, Indiana
*	Eric Michael Nelson	Mechanicsburg, Pennsylvania
**	Koji Okamoto	Tokyo, Japan
**	Kyle Leighton Pinches	Kettering, Ohio
*	Jeremy Carrol Price	Phoenix, Arizona
*	Robert Glen Raque	Louisville, Kentucky
n***	Michael Andrew Ropers	Lake Zurich, Illinois
**	Masaki Sato	Terre Haute, Indiana
	Ryan Michael Schade	Brighton, Illinois
	Jason N. Schmidlapp	Cincinnati, Ohio
	Nancy Schoonover	Waimea, Hawaii
*	Benjamin Kelly Schy	New Albany, Indiana
*	Scott Allen Sikora	Tinley Park, Illinois
	Andrew James Skeel	Fargo, North Dakota
**	Travis David Sparks	Bloomfield, Indiana
**	Ryon Hale Sumner	Windham, New Hampshire
*	Chris Lee Teague	Cincinnati, Ohio
	Matthew Francis Tennyson	Waverly, Kentucky
	James E. Wallace, Jr.	Terre Haute, Indiana
**	Mark Bela Wlazlo	Central Square, New York

MATHEMATICS

Double Major in MATHEMATICS and COMPUTER SCIENCE

Jennifer Jean Crone Cheyenne, Wyoming

Double Major in MATHEMATICS and ECONOMICS

**	Isaac David Adams	Crawfordsville, Indiana
	Kyle E. Lacey	Sparta, Illinois
*	Mikael Roldsgaard Nielsen	Williams Bay, Wisconsin
M	Jennifer Joy Taylor	Knox, Indiana

MECHANICAL ENGINEERING

*	Cortney Scott Alexander	Ellettsville, Indiana
C	Sean Michael Ames	Danville, Illinois
	Theodore Christian Andersen	Pittsburgh, Pennsylvania
*	Eric Scott Baer	Wabash, Indiana
f***	Matthew Richard Bazyn	Henry, Illinois
	Mark Douglas Bessler	Batesville, Indiana
	James Everett Billingsley	Greencastle, Indiana
**	Russell William Birch	Sullivan, Indiana
	Ryan Russell Boone	Gotha, Florida
	Margaret Helen Boozer	Hatley, Mississippi
	Daniel Jason Brier	Fort Wayne, Indiana
G	Sara Lindsey Brown	Shakopee, Minnesota
C**	Chad Stephen Buckles	Wingate, Indiana
	Grant Douglas Carpenter	Marshall, Illinois
	Lisa R. Carr	Comstock Park, Michigan
	Chad Edward Coats	Oxford, Indiana
C**	John Douglas Collier	Wooster, Ohio
	Todd James Cox	Fort Wayne, Indiana
*	Michael Frank Damweber	Venice, Florida
f	Saigovind Dandapani	Terre Haute, Indiana
	Dustin Taj Dodds	Carlisle, Indiana
C**	Sara Helen Dougherty	South Whitley, Indiana
***	Heather Nicole Dubiel-Stradley	Wichita Falls, Texas
	Mark Richard Dudley	New Castle, Indiana
	David Ray Dusick	Indianapolis, Indiana
	Cord Otto Ehrhart	Antwerp, Ohio
***	Jason Lynn Ellis	Argos, Indiana
	Jeremy Dale Feller	Bedford, Indiana
	Peter Michael Fordos	Kalamazoo, Michigan
	John Adam Fussner	Brookville, Indiana
*	James Kevin Gates	Columbus, Indiana
**	Bryan Harvey Hagelskamp	Indianapolis, Indiana
	Daryl David Hardesty	Osgood, Indiana
	Bradley Thomas Henry	New London, Wisconsin
G f	Eric Matthew Herron	New Prague, Minnesota
	Dawn Marie Hobbs	Frankton, Indiana
	Michael Christopher Hoffmann	Bloomfield, Indiana
*	Jezrah Elan Horen	Versailles, Indiana
AF*	Stephen Gabriel Huwe	Shoreview, Minnesota
	Travis Gerd Ihnen	Lebanon, Indiana
	Kendra Raejean Itskin	Flora, Illinois
	Rahul Laxman Iyer	Dixon, Illinois
**	Christopher James Jackson	Saint Louis, Missouri
	Jason Scott Jennings	Terre Haute, Indiana
**	Marcie Sau Hing Kam	Waipahu, Hawaii
*	Matthew Roy Kane	Columbus, Indiana
f	Tsuyoshi Kato	Terre Haute, Indiana
	David Jefferson King	Seymour, Indiana
C**	Christopher Charles Krapfl	Cascade, Iowa
f	Matthew David Kuehnert	Woodburn, Indiana

* Matthew Ryan Kuper Jasper, Indiana
 Donald Earl Leonard Monticello, Indiana
 Timothy Wayne Lewis Fort Branch, Indiana
 Brian Joseph Leyes New Castle, Indiana
 Timothy Ryan Lueking Sullivan, Indiana
 ** Daniel Edward Luhn Cincinnati, Ohio
 ** Anellia Marie Magnanti Hartland, Michigan
 John Peter Marietta Rockville, Indiana
 C* Todd Melby Akron, Ohio
 Paul Raymond Melevage Crawfordsville, Indiana
 Robert Andrew Middendorf Morton, Illinois
 Andrew John Miller Chippewa Falls, Wisconsin
 f Matthew Timothy Millington Terre Haute, Indiana
 Chad Joseph Minor Evansville, Indiana
 *** Joshua Kyle Motsinger Salem, Indiana
 Hanna Rae Pekinpaugh Tell City, Indiana
 Alyssa Marie Perry La Porte, Indiana
 ** Chad Randall Pigg Sullivan, Indiana
 Bill A. Pirschel III Mount Sterling, Kentucky
 Anthony Kenneth Polloway Coon Rapids, Minnesota
 n John Thomas Pope Shelbyville, Indiana
 Rodney Jay Pound Rosedale, Indiana
 * Douglas Allen Pulskamp Batesville, Indiana
 * Joseph Robert Puthoff Cincinnati, Ohio
 Jason Edward Quiett Indianapolis, Indiana
 C** Edward Jay Ransom Huntington, Indiana
 AF Aaron James Reifsnyder Evansville, Indiana
 Charles Francis Requet II Madison, Indiana
 John Daniel Rivard Northville, Michigan
 ** Rebecca Lynn Schenk Evansville, Indiana
 Michael Andrew Schreifels Stillwater, Minnesota
 Daniel Joseph Schroeder Evansville, Indiana
 f Nicholas Werth Schuchardt Stillwater, Minnesota
 Scott Richard Schwab Auburn, Indiana
 Joshua Daniel Setzer Marshall, Illinois
 Jeremiah Joseph Shives Indianapolis, Indiana
 * Randy Lee Sible Fort Wayne, Indiana
 ** Gavin Michael Smith Goodland, Indiana
 f Karl Bennett Sorensen Wichita, Kansas
 ** Sara Daugherty Speckhard Potosi, Wisconsin
 * Michael Monson Sproul Brazil, Indiana
 David Robert Stanley Fort Myers, Florida
 *** Mark Andrew Sweigart Norman, Oklahoma
 Ryan David Vaught Ladoga, Indiana
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 Robert William Voll, Jr. Terre Haute, Indiana
 * John Robert Wappes II Antwerp, Ohio
 f David Duane Warmuth Jefferson, Wisconsin
 Kathryn Miranda Wehner Mishawaka, Indiana
 Kimberly Ann Whitesell Howell, New Jersey

- Matthew Christian Windell Newburgh, Indiana
 ** Matthew David Youngs Edmore, Michigan

Double Major in MECHANICAL ENGINEERING and MATHEMATICS

- G* Andre Marques Gomes Manaus, Brazil

Two Degrees: MECHANICAL ENGINEERING and ELECTRICAL ENGINEERING

- * Craig Daniel Lyjak Memphis, Michigan

Two Degrees: MECHANICAL ENGINEERING and MATHEMATICS

- Christopher E. Anderson Greenwood, Indiana

PHYSICS AND APPLIED OPTICS

PHYSICS

- n Jason Dean Adams Chillhowie, Virginia
 G Ann Marie Fountain La Porte, Indiana

Double Major in PHYSICS and MATHEMATICS

- *** Beth Ann Bateman Saint Charles, Illinois
 ** Christopher Michael Prince Dyer, Indiana

APPLIED OPTICS

- * Julie Rena Brinson Greensburg, Indiana
 S* André Michel Guérin Houston, Texas
 Michael Jason Kratoska Greenwood, Indiana
 Adam Patrick Parsley Bedford, Indiana
 G** Friso Schlottau Munich, Germany
 Shawn David Walton Greencastle, Indiana
 Jeb O'Brien Zaun Roseville, Minnesota

Master of Science

BIOMEDICAL ENGINEERING

- f Brian Patrick Cahill Terre Haute, Indiana
*“Testing for a Suitable Biomaterial to Serve as an
Encapsulation Material for a Subcutaneously
Implanted Glucose Sensor”*
Thesis Advisor: Professor Samuel F. Hulbert
- n Matthew Cole Hartford City, Indiana
*“The Chemical Characterization of
Hydroxylapatite for Process Monitoring”*
Thesis Advisor: Professor Howard L. McLean
- a Adam Jacob Walkerton, Indiana
*“Therapeutic Efficacy of Corticosteroid
Injection for Acromioclavicular Arthralgia”*
Thesis Advisor: Professor Samuel F. Hulbert
- Aarthi Ram Chennai, India
*“Evaluation of a Scattering Model
to Assay Muscle Myoglobin”*
Thesis Advisor: Professor Lee Waite
- Jenna Lynn Ray Niles, Michigan
*“Quantitative Determination of Apoptosis
in the Islets of Langerhans”*
Thesis Advisor: Professor Lee Waite
- n Yan Wu Chengdu, P. R. China
*“Automatic Determination of Patellofemoral
Kinematic Parameters through
X-ray Image Processing”*
Thesis Advisor: Professor Lee Waite

CHEMICAL ENGINEERING

- John Cochran Nabb, Indiana
*“Maximizing Yield in a Semi-Batch Reactor
When Side Reactions are Present”*
Thesis Advisor: Professor Carl Abegg
- Brian Finch Indianapolis, Indiana
*“Evaluating the Effectiveness of Back-Pulsing
on Cross-Flow Microfiltration”*
Thesis Advisor: Professor Ronald S. Artigue

- f Knut Gedicke Magdeburg, Germany
*“MIMO Systems: Decoupled Temperature
and Level Control”*
Thesis Advisor: Professor Ronald S. Artigue
- a Brian Myers LaPorte, Indiana
*“Characterization of a High-Capacity
NOx Sorbent by Analytic Techniques”*
Thesis Advisor: Professor Hossein Hariri
- f Xinxin Tang Shanghai, P. R. China
“Process Control for a Multivariable Tank System”
Thesis Advisor: Professor Ronald S. Artigue

ELECTRICAL ENGINEERING

- a Anuj Bhardwaj Chennai, India
*“Intelligibility Enhancement of Noisy Speech
Using Spectral Subtraction and Adaptive
Noise Cancellation Algorithms”*
Thesis Advisor: Professor Keith E. Hoover
- f Ralf Brandt Salzwedel, Germany
“Data Acquisition for a Helicopter”
Thesis Advisor: Professor Fred Berry
- Zhibing Chen Yancheng, Jiangsu, P. R. China
“Video-Based Automatic Mower”
Thesis Advisor: Professor Edward Doering
- f Sucheta Chitale Pune, India
*“Blur Identification and Correction
for a Given Imaging System”*
Thesis Advisor: Professor Wayne Padgett
- a Thomas Combs Terre Haute, Indiana
*“Audio Feedback Suppression Using
Automatically-Tuned Digital Notch Filters”*
Thesis Advisor: Professor Keith E. Hoover
- M. Zahid Din Bloomington, Indiana
“ASAR: Application and Practical Considerations”
Thesis Advisor: Professor David R. Voltmer
- James Philip Embry Bedford, Indiana
*“Fiber Optic Command Actuator Module Test
Hardware and Software Design”*
Thesis Advisor: Professor Fred Brockhurst

- Lalita Godbole Pune, India
“System Design for a Wireless Security System”
 Thesis Advisor: Professor Bruce Black
- Todd Holthaus Pana, Illinois
*“Fault-Tolerant Computation on the Transputer-Based
 Parallel Processing System for the IBM PC”*
 Thesis Advisor: Professor Fred Berry
- a Cheng He Shanghai, P. R. China
*“The Generation and Display of Three-Dimensional
 Objects on the Web Using Matlab and Virtual Reality
 Modeling Language”*
 Thesis Advisor: Professor David R. Voltmer
- f Ling Jiang Shandong Province, P. R. China
*“Adaptive Filter for Audio Noise Canceling
 Without an External Reference Source”*
 Thesis Advisor: Professor Keith E. Hoover
- n Ashwini Kapaleshwari Pune, India
“Diesel Engine Control Parameter Optimization”
 Thesis Advisor: Professor Keith E. Hoover
- Sumedha Tatke Pune, India
*“A Neural Network Based Virtual Sensor
 System for a Diesel Engine”*
 Thesis Advisor: Professor Keith E. Hoover
- f Sudershan Tirumala Hyderabad, India
*“Evaluation of the Startup Parameters and Performance
 Tuning Parameters for High Performance
 Systems with Memory Constraints”*
 Thesis Advisor: Professor Fred Berry
- Fan Zhang Shanghai, P. R. China
*“Active Filter Design and Construction for
 School Laboratory Educational Use”*
 Thesis Advisor: Professor Daniel J. Moore

ENGINEERING MANAGEMENT

- f Trent Anderson Avoca, Indiana
“Ruggedized Disk Drive Unit Study”
 Integrated Project Advisor: Professor Thomas W. Mason
- Brian Callahan Bloomington, Indiana
“MK-666 Alternative Source Business Plan”
 Integrated Project Advisor: Professor Thomas W. Mason

- Jeffrey Chestnut Bloomfield, Indiana
"MK-666 Alternative Source Business Plan"
 Integrated Project Advisor: Professor Thomas W. Mason
- f Kevin Coats Bloomington, Indiana
"Battery Fabrication/Engineering Support"
 Integrated Project Advisor: Professor Thomas W. Mason
- f James Norman Honeycutt Bloomington, Indiana
"Battery Fabrication/Engineering Support"
 Integrated Project Advisor: Professor Thomas W. Mason
- f Frank Martinez Bloomington, Indiana
"Ruggedized Disk Drive Unit Study"
 Integrated Project Advisor: Professor Thomas W. Mason
- Ronald Meyer Bloomington, Indiana
"MK-666 Alternative Source Business Plan"
 Integrated Project Advisor: Professor Thomas W. Mason
- Steve Milah Bloomington, Indiana
"Battery Fabrication/Engineering Support"
 Integrated Project Advisor: Professor Thomas W. Mason
- Michael Ringwald Madison, Indiana
"MK-666 Alternative Source Business Plan"
 Integrated Project Advisor: Professor Thomas W. Mason
- Pyotr Shmelev Terre Haute, Indiana
"Commercializing an Autonomous Device for Call Announcing"
 Integrated Project Advisor: Professor Thomas W. Mason
- f Mahendra Singh Bloomington, Indiana
"Ruggedized Disk Drive Unit Study"
 Integrated Project Advisor: Professor Thomas W. Mason
- f Rickey Smeltzer Freedom, Indiana
"Ruggedized Disk Drive Unit Study"
 Integrated Project Advisor: Professor Thomas W. Mason

ENVIRONMENTAL ENGINEERING

- f Alaena Ensey Hillsdale, Illinois
"Non-point Source Pollution Analysis for Swine Farm Confined Facility Operations"
 Thesis Advisor: Professor Sharon Jones
- Ping Liu Wuxi, P.R. China
"Wastewater Management for the Whitewater Processing Company"
 Thesis Advisor: Professor Sharon Jones

MECHANICAL ENGINEERING

- f Patrick C. Finn Bedford, Indiana
*“Development of a Finite Element Model of the
Stable Member Module Frame with the Appropriate Boundary
Conditions for Normal Mode Vibration Analysis”*
Thesis Advisor: Professor J. Darrell Gibson
- n Eric Scheid Bloomington, Indiana
*“Characterization of Explosive Foam and Development
of an Associated Evaluation Process”*
Thesis Advisor: Professor Robert Dillon
- n Doerte Schulze Magdeburg, Germany
“Effect of Gap Size on Flapped Airfoil Performance”
Thesis Advisor: Professor Robert Dillon
- Andrew Singleton Fillmore, Indiana
*“Experimental and Theoretical Determination
of Dynamic Young’s Modulus of a Gas Nitrided H-11 Steel”*
Thesis Advisor: Professor J. Darrell Gibson

PHYSICS AND APPLIED OPTICS

APPLIED OPTICS

- Torsten Blaetter Stuttgart, Germany
“Tracking Photorefractive Microscope”
Thesis Advisor: Professor Azad Siahmakoun
- Dirk Juergens Westhausen, Germany
*“Temperature Controlled Two-beam Coupling and
Phase Conjugation at 1.32 μm in Photorefractive InP:Fe”*
Thesis Advisor: Professor Azad Siahmakoun

Summer Completions

CIVIL ENGINEERING

Christopher Ray Wahlman Dupont, Indiana

COMPUTER SCIENCE

Alan Lee Bridgewater Brazil, Indiana

Edward James Hatfield New Albany, Indiana

Jason Charles Mathison Terre Haute, Indiana

ELECTRICAL AND COMPUTER ENGINEERING

ELECTRICAL ENGINEERING

Jon David Faver Evansville, Indiana

John Charles Frisch Ballwin, Missouri

Michelle Caroline King Boksburg, South Africa

COMPUTER ENGINEERING

Sean Michael Conley New Albany, Indiana

Luke Alan Griggs Crawfordsville, Indiana

MATHEMATICS

James Isaac Meyer Spearfish, South Dakota

MECHANICAL ENGINEERING

Benjamin Garden Martinsville, Indiana

Benjamin Elliott Jackson Eminence, Indiana

C Benjamin Robert Ruppert Huntington, Indiana

Andrew Robert Taylor Indianapolis, Indiana

Jeremy Paul Williams Shawnee, Oklahoma

Robert James Zaricki Rockport, Indiana

November Completions

CHEMICAL ENGINEERING

Brian Paul Huff Elkhart, Indiana
Anamaria A. Witaszczyk Chicago, Illinois

COMPUTER SCIENCE

Jeromey R. Goetz Fairfield, Ohio

Double Major in COMPUTER SCIENCE and MATHEMATICS

Timothy Scott Rooney Decatur, Illinois

ELECTRICAL ENGINEERING

Tony Ryan Parrish Indianapolis, Indiana

Double Major in MATHEMATICS and COMPUTER SCIENCE

Joel Patrick Tosi Steger, Illinois

Double Major in MATHEMATICS and ECONOMICS

Kimberly Lana Hoss Elizabethton, Tennessee

MECHANICAL ENGINEERING

Andrew Michael Cain Terre Haute, Indiana
Gregory Eugene Johnson Terre Haute, Indiana
Christopher Charles Schantz Nashville, Indiana
Jennifer Sue Schmitt Velpen, Indiana
Andrew William Sellers Preston, Maryland
Christopher Day States Beech Grove, Indiana
Sarah Elizabeth Waite Cory, Indiana
Andrew Wlazlo Central Square, New York

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