The University of Notre Dame du Lac
1990 Commencement
August 3

OFFICIAL
The University of Notre Dame du Lac
1990 Commencement
August 3
Events of the Day
Friday, August 3, 1990.

BACCALAUREATE MASS

8:30 a.m. Graduates and faculty assemble in the courtyard between Flanner and Grace halls, for the Academic Procession to Stepan Center.

8:40 a.m. Academic Procession departs for Stepan Center.

9:00 a.m. Baccalaureate Mass —— Stepan Center.

Principal Celebrant and Homilist:
Associate Professor of Theology

Concelebrants:
Priests who will receive degrees during the Commencement Exercises, priest members of the faculty, and priest members of the Congregation of Holy Cross.

COMMENCEMENT EXERCISES
CONFERRAL OF DEGREES

10:25 a.m. Graduates and faculty assemble in the Auxiliary Gym of the Joyce Athletic and Convocation Center. Please enter Gate 1 or 2.

10:50 a.m. Academic Procession begins.

11:00 a.m. Conferring of Degrees in the Joyce Athletic and Convocation Center —— Concourse.

Presiding Officer:
Timothy O'Meara, Ph.D.
Provost of the University

Commencement Address:
Patricia A. O'Hara, J.D.
Vice President for Student Affairs

(Guests are requested to be seated on the Concourse of the Joyce Athletic and Convocation Center by 10:50 a.m.)
Stepan Center
University of Notre Dame
Notre Dame, Indiana
at 9 a.m. (Eastern Standard Time)
Friday, August 3, 1990

Principal Celebrant and Homilist

Organist
Robert Minotti

Psalms
Denise Boychuk

Cantor
Timothy Stempniewski

Guitar and Harp
Steven Warner

The Symphony Brass Quintet
Craig Heitger, trumpet
Steve Reed, trumpet
Peggy Brilli, French horn
Joe Hickner, trombone
Rick Watts, tuba
BACCALAUREATE MASS

PRELUDES

ACADEMIC PROCESSION

_Trumpet Voluntary.......................... Stanley_

**ENTRANCE HYMN**

_I Sing the Mighty Power of God* 

*tune: Ellacombe*

1. I sing the mighty pow'r of God That
2. I sing the goodness of the Lord That
3. There's not a plant or flower below But

made the mountains rise, That spread the flowing
filled the earth with food; That formed creation
makes your glories known; And clouds arise, and

seas abroad, And built the lofty skies. I
with a word, And then pronounced it good. Lord,
tempests blow, By order from your throne; While

sing the wisdom that ordained The sun to rule the day; The
how your wonders are displayed, Where e'er I turn my eye; If
all that borrows life from you Is ever in your care, And

moon shines full at God's command And all the stars obey.
I survey the ground I tread, Or gaze up on the sky!
everywhere that I may be, O God, be present there.

OPENING PRAYER

4
Liturgy of the Word

READING I
Proverbs 8:22-31
Wisdom was born before the earth was made.

RESPONSORIAL PSALM
Psalm 69:5, 8-10, 14
Lord, in your great love, answer me.

READING II
Romans 5:1-5
To God through Christ in the love which is poured out through the Spirit.

GOSPEL
John 16:12-15
Whatever the Father has is mine. The Spirit will receive what I give and tell you about it.

GOSPEL ACCLAMATION
Al-le-lu-ia, al-le-lu-ia, al-le-lu-ia!

HOMILY

GENERAL INTERCESSIONS
Lord, hear our prayer.
Liturg of the Eucharist

PREPARATION OF THE GIFTS

Pavane .................................................. William Byrd
Fantasia .................................................. William Boyce

Eucharistic Prayer

SANCTUS

It is customary for men, although not for women wearing academic garb, to have their caps removed during the Eucharistic Prayer. The caps may be replaced at the end of Communion.

Holy, holy, holy Lord, God of power and might.
Heav'n and earth are full of your glory. Hosanna in the highest, hosanna in the highest.
Blest is he who comes in the name of the Lord. Hosanna in the highest, hosanna in the highest.
MEMORIAL ACCLAMATION

Christ has died,
Christ is risen, Christ will come again.

AMEN

Amen, amen, amen.

Communion Rite

LORD'S PRAYER + DOXOLOGY

SIGN OF PEACE

LAMB OF GOD

Cantor: Lamb of God . . .

You take away the sins of the world: have mercy on us.

When the cantor repeats: Lamb of God . . . please sing:

You take away the sins of the world: grant us peace.

COMMUNION PROCESSION

Take and Eat

Take and eat, take and eat, this is my body given up for you;

Take and drink, take and drink, this is my blood, given up for you.
PRAYER AFTER COMMUNION

Closing Rite

BLESSING + DISMISSAL

HYMN  Lord, Whose Love in Humble Service  

tune: In Babilone

1. Lord, whose love in hum ble ser -vice Bore the
weight of hu -man need, Who did on the
weight of hu -man need, Who did on the
weight of hu -man need, Who did on the
weight of hu -man need, Who did on the
Cross for-sak-en, Show us mer -cy's per - fect deed;
still your chil -dren wan -der home -less; Still the
cross for-sak-en, Show us mer -cy's per - fect deed;
Cross for-sak-en, Show us mer -cy's per - fect deed;
Cross for-sak-en, Show us mer -cy's per - fect deed;
Cross for-sak-en, Show us mer -cy's per - fect deed;

2. Still your chil -dren wan -der home -less; Still the
hun -gry cry for bread; Still the cap - tives
hun -gry cry for bread; Still the cap - tives
hun -gry cry for bread; Still the cap - tives
hun -gry cry for bread; Still the cap - tives
Cross for-sak-en, Show us mer -cy's per - fect deed;

3. Called from wor -ship in -to ser -vice Forth in
your great name we go, To the child, the
your great name we go, To the child, the
your great name we go, To the child, the
your great name we go, To the child, the
Cross for-sak-en, Show us mer -cy's per - fect deed;

We, your ser - vants, bring the wor -ship Not of
We, your ser - vants, bring the wor -ship Not of
We, your ser - vants, bring the wor -ship Not of
We, your ser - vants, bring the wor -ship Not of
We, your ser - vants, bring the wor -ship Not of
We, your ser - vants, bring the wor -ship Not of
As, O Lord, your deep com - pas - sion Healed the
As, O Lord, your deep com - pas - sion Healed the
As, O Lord, your deep com - pas - sion Healed the
As, O Lord, your deep com - pas - sion Healed the
As, O Lord, your deep com - pas - sion Healed the
As, O Lord, your deep com - pas - sion Healed the

RECESSIONAL

Psalm XIX 
Sonata from “Die Bankelsangerlieder”

Acknowledgements

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The Graduate School
The Law School
The College of Arts and Letters
The College of Science
The College of Engineering
Graduate and Undergraduate Divisions of
The College of Business Administration

Joyce Athletic and Convocation Center
(Concourse)
University of Notre Dame
Notre Dame, Indiana
At 11 a.m. (Eastern Standard Time)
Friday, August 3, 1990
Order of Exercises

Processional
by Daniel H. Winicur, Ph.D.
Dean of Administration and
University Registrar

America, the Beautiful - Ensemble and Audience

O beautiful for spacious skies,
For amber waves of grain
For purple mountain majesties
Above the fruited plain.
America! America!
God shed His grace on thee,
And crown thy good with brotherhood
from sea to shining sea.

Convening of the Convocation
by Timothy O'Meara, Ph.D.
Provost of the University

Presentation of Candidates for Degrees
The Doctor of Philosophy degree
by Chau T. M. Le, Ph.D.
Associate Dean of the Graduate School

The Master of Laws degree
by Roger F. Jacobs, J.D.
Associate Dean of the Law School

The Juris Doctor degree
by Roger F. Jacobs, J.D.
Associate Dean of the Law School

The Master degree
by Chau T. M. Le, Ph.D.
Associate Dean of the Graduate School

The Master of Business Administration degree
by John G. Keane, Ph.D
Dean of the College of Business Administration

The Master of Science in Administration degree
by John G. Keane, Ph.D
Dean of the College of Business Administration

The Bachelor degree in the College of Arts
and Letters
by Michael J. Loux, Ph.D.
Dean of the College of Arts and Letters

The Bachelor degree in the College of Science
by Jeremiah P. Freeman, Ph.D.
Associate Dean of the College of Science

The Bachelor degree in the College of Engineering
by Jerry J. Marley, Ph.D.
Associate Dean of the College of Engineering

The Bachelor degree in the College of Business
Administration
by John G. Keane, Ph.D.
Dean of the College of Business
Administration

Commencement Address*
Patricia A. O'Hara, J.D.
Vice President for Student Affairs

Closing Remarks
Provost of the University

Notre Dame, Our Mother*

O'Donnell-Casasanta

Notre Dame, Our Mother, tender,
strong and true
Proudly in the heavens gleams thy
gold and blue.
Glory's mantle cloaks thee, golden is
thy fame
And our hearts forever praise thee,
Notre Dame:
And our hearts forever love thee,
Notre Dame.

Recessional of the Platform Party

*It is customary for men, although not for women wearing
academic garb, to have their caps removed during the
Commencement Address and the singing of the Alma Mater.
The Graduate School

THE DEGREE OF DOCTOR OF PHILOSOPHY ON:

Jeffrey Brian Barner, Goshen, Indiana
Major subject: Physics. Dissertation: Tunneling in Artificial $\text{A}_2\text{O}_3$ Barriers and Single-Electron Tunneling in Metal/Barrier Multilayer Systems. Director: Dr. Steven Ruggiero

Maitrayee Bhattacharyya-Pakrasi, St. Louis, Missouri
Major subject: Biological Sciences. Dissertation: Molecular Analysis of Two Sporulation Genes in the Yeast Saccharomyces cerevisiae. Director: Dr. Mary J. Clancy

Kitti Carriker, West Lafayette, Indiana
Major subject: English. Dissertation: Literary Automata: Lacanian and Figurative Approaches to the Self-Created Miniature. Director: Dr. Leonard Orr

Beth Maclay Doriani, Monroeville, Pennsylvania

John Cameron Gordon, Kilmarnock, Scotland
Major subject: Chemistry. Dissertation: The Chemistry of Complexes Containing Nickel-Group 6 and Cobalt-Group 6 Metal Bonds. Director: Dr. Michael J. Chetcuti

Steven Wilson Horst, Baltimore, Maryland

Allan Murray Hunchuk, Regina, Saskatchewan, Canada
Major subject: Sociology. Dissertation: To Be Able to Say: The Unveiling of the Life-World through the Sociology of Music. Director: Dr. Fabio B. Dasilva

Henry Bernard Kreuzman III, Cincinnati, Ohio
Major subject: Philosophy. Dissertation: Theories of Rationality in Epistemology and Philosophy of Science. Director: Dr. Richard Foley

Therese Larochelle, P.M., Nashua, New Hampshire

Mark Louis Pernecky, Evanston, Illinois
Major subject: Economics. Dissertation: Efficiency Wages, Unions, and Productivity Norms. Director: Dr. Teresa Ghilarducci

Stephen D. Preston, Philadelphia, Pennsylvania

Susan Lynn Prieto, Grand Rapids, Michigan

Daniel Charles Rebek, Wauwatosa, Wisconsin
Major subject: Psychology. Dissertation: The Effort-Rest Frequency Ratio as a Formal Property in Agent's Efforts to Achieve Self-Determined Control of Physical Exercise. Director: Dr. George S. Howard

Kenneth George Rice, Daytona Beach, Florida
Major subject: Psychology. Dissertation: Late Adolescent Attachment, Separation-Individuation, and Adjustment to College: A Time-sequential Study. Director: Dr. Daniel K. Lapsley

Thomas Howard Schattauer, Storm Lake, Iowa

Yutao Shen, Tsingdao, People's Republic of China

Susan Marie Steinbrueck, Chicago, Illinois
Major subject: Psychology. Dissertation: Mother-Child Interactions of Depressed Children. Director: Dr. David A. Cole

Hung-Fa Sun, Panchio City, Republic of China
Major subject: Electrical Engineering. Dissertation: Two Problems in Finite Dimensional Dynamical System: Qualitative Analysis and Synthesis of a Class Neural Networks and Linear Systems Subject to Parameter Variations. Director: Dr. Anthony N. Michel
Robert Szoke, Manor, Hungary
Major subject: Mathematics.
Dissertation: Monge-Ampere Models.
Director: Dr. Pit-Mann Wong

Rajagopalan Venkatadri, Madras, India
Director: Dr. Robert L. Irvine

Xiaofang Wang, Changchun, People’s Republic of China
Director: Dr. Lawrence H. N. Lee

Lei Xu, Beijing, People’s Republic of China
Major subject: Biological Sciences. Dissertation: Hormonal Control of Hemolymph Lipoprotein Ice Nucleators and Antifreeze Proteins in Freeze Resistant Insects. Director: Dr. John G. Duman

THE DEGREE OF MASTER OF ARTS ON:

Anthony B. Aarons, Kingston, Jamaica
Major subject: Theology

William Joseph Amberg, Rochester, Minnesota
Major subject: Government and International Studies

Leslie Anne Anderson, Watseka, Illinois
Major subject: History

Sergei Basarab, Kiev, U.S.S.R.
Major subject: Peace Studies

James Wm. Bessert, Bay City, Michigan
Major subject: Theology

Jo Anne Gassmann Bonello, Ames, Iowa
Major subject: Theology

Rev. Mark-Thomas Booth, O.F.M. Conv., Baltimore, Maryland
Major subject: Theology

Denise Mary Boychuk, Brookfield, Illinois
Major subject: Theology

Neil Matthew Boyd, Camp Hill, Pennsylvania

Bengt Leonard Brown, Springfield, Ohio
Major subject: Peace Studies

Polly Kathleen Carl, Elkhart, Indiana
Major subject: Peace Studies

Frank Michael Alvarez del Castillo, Munster, Indiana
Major subject: Peace Studies

Leonard Thomas Clark, Portage, Indiana
Major subject: Communication Arts

Fr. William Cosgrave, Wexford, Ireland
Major subject: Theology

German Creamer, Quito, Equador
Major subject: Economics

Pedro Luiz Dalcero, Petropolis, Brazil
Major subject: Peace Studies

Stephen Vincent DeLeers, Milwaukee, Wisconsin
Major subject: Theology

Anne Blake DenDooven, Naples, Florida
Major subject: Psychology

Kathleen Hynes Dewey, Santa Barbara, California
Major subject: Communication Arts

Mary Carol Doherty, Towson, Maryland
Major subject: Psychology

Daniel Keith Douglas, Tulsa, Oklahoma
Major subject: Theology

Delores Dufner, O.S.B., St. Joseph, Minnesota
Major subject: Theology

Maria Teresa Estrada, St. Louis, Missouri
Major subject: Psychology. Thesis: Educational Aspirations of Mexican-American Children: The Importance of Possible Selves. Co-Directors: Dr. John G. Borkowski and Dr. Jeanne D. Day

Katalin Fabian, Budapest, Hungary
Major subject: Peace Studies

Kathleen Eve Farrell, Portland, Oregon
Major subject: English

Catherine Ann Faulk, Mississauga, Ontario, Canada
Major subject: Theology

Steven Raymond Fava, Summit, New Jersey
Major subject: English

Robert E. France, Alpharetta, Georgia
Major subject: History

Richard Rene Gaillardetz, Austin, Texas
Major subject: Theology

William Otis Gregg, Abingdon, Virginia
Major subject: Theology

Cecilia Margaret Hall-Brennan, Portland, Oregon
Major subject: Theology

Daniell Carl Hamby, Gainesville, Georgia
Major subject: Theology
Lene G. Hansen, Milwaukee, Wisconsin  
Major subject: Psychology

Marika Hedin, Uppsala, Sweden  
Major subject: History

Andrea Liliana Castaneda Hidalgo, Tampico, Mexico  

Paul Higbee, Spearfish, South Dakota  
Major subject: Communication Arts

Rebecca Bontrager Horst, Goshen, Indiana  
Major subject: English

Nancy J. Houlihan, Chicago, Illinois  
Major subject: Communication Arts

Mary Ambrose Huszak, C.S.J., Hamilton, Ontario, Canada  
Major subject: Theology

Brother Paul R. Ickes, C.F.C., Chicago, Illinois  
Major subject: History

Mari Ishibashi, Fukuoka, Japan  
Major subject: Peace Studies

Paula Faye Jordan, Albany, Oregon  
Major subject: Economics

Jo Ann Fritzmyer Kalb, Louisville, Kentucky  
Major subject: Theology

Sister Elizabeth E. Kane, O.S.F., Baltimore, Maryland  
Major subject: Theology

Rev. Jeffrey Kemper, Dayton, Ohio  
Major subject: Theology

Musa Khalidi, East Jerusalem, Palestine  
Major subject: Peace Studies

Sr. Patricia Ann Knight, O.S.U., Bronx, New York  
Major subject: Théologie

Kristina M. Krimm, Columbus, Ohio  
Major subject: Theology

Daniel Paul Kroger, O.F.M., Cincinnati, Ohio  
Major subject: Theology

Lisa Mary Kuhns, Fort Walton Beach, Florida  
Major subject: Peace Studies

Heidi Lamb, Boston, Massachusetts  
Major subject: Government and International Studies

Roy Lanham, Charleston, Illinois  
Major subject: Theology

Sharon Elizabeth Lanham, Charleston, Illinois  
Major subject: Theology

Brother Thomas G. Lisack, Stevens Point, Wisconsin  
Major subject: English

Laura Diane Loeffler, Stevensville, Michigan  
Major subject: Psychology

Cristina Logan-Truman, Gainesville, Florida  
Major subject: Theology

Elizabeth Anne Lohmuller, Bluffton, Indiana  
Major subject: Communication Arts

David A. Lysik, Santa Maria, California  
Major subject: Theology

Pamela Anne Manz, Pensacola, Florida  
Major subject: Theology

Michele Marie Martin, Pensacola, Florida  
Major subject: Theology

Robert Thomas Mastro, Potomac, Maryland  
Major subject: Communication Arts

Edward C. Mazzu, Beaumont, Texas  
Major subject: Theology

Ethel-Louise McDonough, R.S.M., Hollywood, Florida  
Major subject: History

Jon J. McMahon, O.M.I., New Orleans, Louisiana  
Major subject: Communication Arts

Melissa McNelly, Uvalde, Texas  
Major subject: Psychology

Patricia Marie McSweeney, Westerville, Ohio  
Major subject: Psychology

Joy Anne Meeker, Minneapolis, Minnesota  
Major subject: Peace Studies

Vincent Jude Miller, Pittsburgh, Pennsylvania  
Major subject: Theology

Kurt A. Mills, Greenfield, Massachusetts  
Major subject: Peace Studies

Sister Mary Andrea Mitchell, R.S.M., Philadelphia, Pennsylvania  
Major subject: Theology

Willa Murphy, Provo, Utah  
Major subject: Theology

Scott Harmon Matthew Pell, C.S.C., Portland, Oregon  

David James Philippart, Buffalo, New York  
Major subject: Theology
Ronald Patrick Raab, C.S.C., Notre Dame, Indiana
Major subject: Theology

Peter Albert Ritzer, Sun Prairie, Wisconsin
Major subject: Theology

Vera E. Rocks, I.H.M., Immaculata, Pennsylvania
Major subject: Theology

Dana Leokadija Rogers, South Bend, Indiana
Major subject: Psychology

Sr. Marie Jose Romano, Honolulu, Hawaii
Major subject: Theology

Judy Keim Ross, Goshen, Indiana
Major subject: Communication Arts

Kathleen C. Roery, Elkhart, Indiana
Major subject: English

Thomas Schuster, Augsburg, Federal Republic of Germany
Major subject: Peace Studies

Donald Joseph Schwarzhoff, Galesville, Wisconsin
Major subject: Theology

Steven Reynolds Michael Shippee, South Bend, Indiana
Major subject: Theology

Linda Kay Short, Kettering, Ohio
Major subject: Peace Studies

Brian David Simboli, Cheyney, Pennsylvania
Major subject: Philosophy

Grant Scott Sperry-White, Sioux City, Iowa
Major subject: Theology

Timothy Dean Stempniewski, Detroit, Michigan
Major subject: Theology

Jill Karol Sternberg, Milwaukee, Wisconsin
Major subject: Peace Studies

Kaja Szykowska, Warsaw, Poland
Major subject: Peace Studies

Kay M. Tallmadge, Wauwatosa, Wisconsin
Major subject: Peace Studies

Heather Caswell Taylor, Loudon, New Hampshire
Major subject: Psychology

S.P. Udayakumar, Nagercoil, India

Jennifer Ann Webber, Roseburg, Oregon
Major subject: History

Samarakoongedara Francis Wijerante, Alagollawa, Sri Lanka
Major subject: Theology

Reverend Thomas S. Willis, Jacksonville, Florida
Major subject: Theology

Jacquelyne Mary Witter, LaCrosse, Wisconsin
Major subject: Theology

Paul Joseph Wojda, Ramsey, New Jersey
Major subject: Theology

Junhong Hannah Wu, Shenyang, People’s Republic of China
Major subject: Peace Studies

Alejandro Ferriero Yazigi, Santiago, Chile
Major subject: Peace Studies

Yuri V. Zaichuck, Kiev, U.S.S.R.
Major subject: Peace Studies

Joanne C. Zema, Parma Heights, Ohio
Major subject: Theology

THE DEGREE OF MASTER OF SCIENCE ON:

Holia N. Hatoum, Kherbet Kanafar, Lebanon
Major subject: Chemistry. Thesis: Substituent Effects in the Generation of a-Thiocarbomoyl Substituted Cations. Director: Dr. Xavier Creary

Yijian Jin, Hangzhou, People’s Republic of China

David R. Jourdan, Stillwater, Minnesota
Major subject: Biological Science. Thesis: Migration and Commitment of a Stem Cell Line in a Hydrozoan Planula, Pennaria tiarella. Director: Dr. Vicki J. Martin

Christopher Charles Puin, Cleveland Heights, Ohio
Major subject: Mathematics

David Bennett Pulling, Troy, Michigan
Major subject: Physics

Zhi-an Shao, Hefei, Anhui, People’s Republic of China
Major subject: Physics

Yu Shen, Nanjing, People’s Republic of China
Major subject: Mathematics
THE DEGREE OF MASTER OF SCIENCE IN AEROSPACE ENGINEERING ON:

Carl Fenglong Zhang, Wuhan, People’s Republic of China
Thesis: Sound Radiated From a Thin Airfoil at Supersonic Speed. Director: Dr. Hafiz M. Atasi

THE DEGREE OF MASTER OF SCIENCE IN CIVIL ENGINEERING ON:

Mark A. Mader, DeSoto, Texas
Thesis: Formulation of a Non-Linear Reinforced Concrete Finite Element Code with Applications to the Analysis of Concrete Structures in Service. Director: Dr. Leonard Morse-Fortier

THE DEGREE OF MASTER OF SCIENCE IN ELECTRICAL ENGINEERING ON:

Arindam Banerji, Calcutta, India
Thesis: A New Programming Model for Distributed Applications. Director: Dr. David L. Cohn

Timothy M. Bryden, Mahwah, New Jersey
Thesis: C Language Support for Object-oriented Programming in ARCADE. Director: Dr. David L. Cohn

David Gu, Shanghai, People’s Republic of China
Thesis: Via-Minimization Expert for Topological Switchbox Routing Problem. Co-Directors: Dr. Chong Ho Lee and Dr. Eugene W. Henry

Srinivas Sivaprakasam, New Delhi, India
Thesis: Finite Element Simulation of Quantum Devices. Director: Dr. Craig S. Lent

Edward Rife Smith, Frankton, Indiana
Thesis: The Design of an ARCADE-based Distributed File System. Director: Dr. David L. Cohn

THE DEGREE OF MASTER OF SCIENCE IN MATERIALS SCIENCE AND ENGINEERING ON:

Ajoy K. Basu, Trivandrum, India

V. Sundararaman, Ahmedabad, India

THE DEGREE OF MASTER OF SCIENCE IN MECHANICAL ENGINEERING:

Luis Gonzalo Canales, San Salvador, El Salvador
Thesis: Effect of Twist Dimension on a Generalized Double Pointing System. Director: Dr. Michael M. Stanisic

John Chiqiong Xu, Shanghai, People’s Republic of China
Thesis: Analysis of Flow Over Fixed and Rotatable Cylinder-Splitter Plate Body. Co-Directors: Dr. Mohamed Gad-el-Hak and Dr. Mihir Sen
The College of Business Administration
In the Graduate Division

THE DEGREE MASTER OF BUSINESS ADMINISTRATION ON:

Gerald Scott Brandon, Raleigh, North Carolina
Scott William Dowling, Baltimore, Maryland
Gary W. Parsons, East Syracuse, New York
Michael Shepardson, Satellite Beach, Florida

THE DEGREE OF MASTER OF SCIENCE IN ADMINISTRATION ON:

Bilkisu Adama Ajanah, Rockville, Maryland
Jamie A Battin, With Honors, Dushore, Pennsylvania
Josette M. Bender, Elkhart, Indiana
Walter Andrew Blake, South Bend, Indiana
Michael Louis Bossory, Romulus, Michigan
William Earl Brackett, Niles, Michigan
William E. Darr, Warsaw, Indiana
Marguerite Ihnat DeRose, With High Honors, Schererville, Indiana
Felice Antionette Dudley-Collins, South Bend, Indiana
Mary Joe Elias, South Bend, Indiana
Thomas George Gorman, With Honors, Evergreen Park, Illinois
Ross F. Havens, With Honors, South Bend, Indiana
Marlene Lottie Hedges, Highland, Indiana
Sister Ann Regina Hughes, With Honors, Peoria, Illinois
Thampi Kayala, C.S.C., Bangalore, India
Susan Rose Koski, With High Honors, Granger, Indiana
Gail Jean Kolpin Kuiper, Hebron, Indiana
Johan H. Kuitse, With High Honors, South Bend, Indiana
Rebecca Jane Lincoln, South Bend, Indiana
Marijo Cathryn Martinec, South Bend, Indiana
Sue Nelson Ann Messaglia, South Bend, Indiana
Patricia J. Mominee, With Honors, Mishawaka, Indiana
Lauren Jean Carr Mullet, Porter, Indiana
David J. Naples, CSC, With Honors, Akron, Ohio
Jacqueline Nash-Lee, Detroit, Michigan
Thomas Francis Nehring, With High Honors, Oak Park, Illinois

Lynn Thoma Olszewski, With Honors, Schererville, Indiana
Iris Lucille Outlaw, With Honors, South Bend, Indiana
Barbara A. Pasioneck, South Bend, Indiana
Dianne Patnaude, With Honors, South Bend, Indiana
Pamela A. Paulk, Mishawaka, Indiana
Robert A. Pruitt, Niles, Michigan
Jane Hoopes Robinson, South Bend, Indiana
Barbara Anne Scanlon, South Bend, Indiana
Lenice Schmidt, With Honors, South Bend, Indiana
Sr. Barbara Lynn Schnitz, OSB, With Highest Honors, Ferdinand, Indiana
Jeffrey L. Secrist, Rochester, Indiana
Sr. Marie Therese Sedgwick, With Honors, Chicago, Illinois
Sr. Mary Josef Shingler, P.H.J.C., With High Honors, Donaldson, Indiana
Denise Darcel Steen, South Bend, Indiana
Peggy Frances Stovall, Bonham, Texas
Roni Rae Tomlinson, Hebron, Indiana
Celia J. Turcotte, With High Honors, Pembroke, Canada
Larry S. Ulery, St. Joseph, Michigan
Rhonda L. Wieschhaus, With Honors, South Bend, Indiana

The Law School

THE DEGREE OF MASTER OF LAWS ON:

Antonio Felix de Araujo Cintra, Sao Paulo, Brazil
Pamela J. Baker, Magna Cum Laude, St. Paul, Minnesota
Miguel De Pombo Espeche, Bogota, Colombia
Marie-France de Pover, Magna Cum Laude, Liege, Belgium
Marisa Hontoria Gaya, London, England, United Kingdom
Stephane Ronson, Paris, France
Yasuhiro Tasaka, Yokohama, Japan
Y. van Dongen, Rotterdam, Netherlands
Cristina Marelim Vianna, Sao Paulo, Brazil
Chung-Chu Wu (Nelson Wu), Taipei, Republic of China,

THE DEGREE OF JURIS DOCTOR ON:

Carlos Anthony Razo, Pomona, California
The College of Arts and Letters

THE DEGREE OF BACHELOR OF ARTS ON:
Braxston L. Banks, Hayward, California
Michael Emile Baruch, Hinsdale, Illinois
Timothy Joseph Beerman, Cincinnati, Ohio
Michael A. Bohn, Lafayette, Louisiana
Michael Anthony Brady, Memphis, Tennessee
Thomas John Crehan, Palos Verdes, California
Peter Gerard Dumon, Owosso, Michigan
Ted Williams Erbrecht, Upper St. Clair, Pennsylvania
Brett Jerry Erxleben, Rockford, Illinois
John A. Foley Jr., Chicago, Illinois
John Louis Haley, South Bend, Indiana
Christine Marie Heslin, With Honors, Latham, New York
Sean Patrick Hilgendorf, South Bend, Indiana
Michael Slater McCue, Macon, Georgia
Kelly William McKay, Fort Lewis, Washington
Lawrence Leo Meehan, Lowellville, Ohio
Brian Joseph Meenaghan, Ashland, Oregon
Paul D. Millea, Pittsburgh, Pennsylvania
Stacy Ann Nyikos, With High Honors, Tulsa, Oklahoma
Patrick John O'Rourke, Amherst, New Hampshire
Patricia M. Randazzo, South Bend, Indiana
Jeanette Mae Ryan, Alexandria, Virginia
Alan Charles Silvidi, Stow, Ohio
Michael James Sullivan, Mishawaka, Indiana
Quinn T. Thurin, South Bend, Indiana
Lisa Sharon Tidwell, Gary, Indiana
Jeffrey Dean Tilton, Fargo, North Dakota

The College of Science

THE DEGREE OF BACHELOR OF SCIENCE ON:
Casimir Kyle Crist, West Palm Beach, Florida
Patricia Laurie Villanueva, Mishawaka, Indiana

The College of Engineering

THE DEGREE OF BACHELOR OF ARCHITECTURE ON:
Paul Joseph Kelly, Omaha, Nebraska
William Gary McCraw, Arlington, Texas
Steven New, South Bend, Indiana

THE DEGREE OF BACHELOR OF SCIENCE IN AEROSPACE ENGINEERING ON:
Edward Michael Dieser, Aurora, Illinois
Michael Edward Kozlik, Rockville Center, New York
Kevin Patrick Madden, South Bend, Indiana

THE DEGREE OF BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING ON:
Craig Creamean, Streator, Illinois

THE DEGREE OF BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING ON:
John Francis Krotzer, With Honors, Vestal, New York

The College of Business Administration

THE DEGREE OF BACHELOR OF BUSINESS ADMINISTRATION ON:
Timothy Jay Bach, Farmington Hills, Michigan
Brenden Larry Beck, With Honors, Bakersfield, California
Jocelyn Siuyin Chan, Silver Spring, Maryland
Michael John Crouse, Endicott, New York
Timothy Joseph Ehrman, East Amherst, New York
John Robert Gale, Basking Ridge, New Jersey
Matthew Hadsell, Niles, Michigan
Matthew John Highbarger, South Bend, Indiana
Francine Kelly, East Chicago, Illinois
Steve Robert McLaughlin, Absecon, New Jersey
Dennis Joseph Murphy, Canton, Massachusetts
Patrick Michael Porter, Windham, Maine
Kevin Francis Regan, Freeport, New York
Stanley Adam Smagala, Burbank, Illinois
Ross P. Sullivan, North Dartmouth, Massachusetts
ACADEMIC ATTIRE

Ceremonial garments worn at academic functions take their meaning from the original centers of learning of the Western world in the Church of the Middle Ages. Caps, hoods, and gowns of the early students and monks have been held through the centuries to be traditionally symbolic of the scholarly devotion so basic to education and to the deliberate and orderly evolution of knowledge.

The introduction of classical studies, the gradual rise of the great universities across Europe, and the ever-increasing awareness of the decisive role of education in the entire development of civilization influenced leaders among academicians in their desire for a singular identity. In the attempt to create this differentiation, educators fell upon the medieval system of classic heraldry, whereby the coat of arms, assorted ornamental trappings, and patterns of colorful design had been adopted to denote the distinctive character of designated chivalric orders. The function of "pedagogical heraldry" became, then, simply identification. As such, measures were taken to signify through distinctive markings on the academician's attire the institution that had granted the degree, the field of learning in which the degree had been earned, and the level of the degree - bachelor, master, or doctorate.

Of the three pieces of academic attire, the cap, the gown, and the hood, it is the hood that offers the most abundant and most readily discernible information about its owner. The inner lining of the hood identifies the institution at which the individual earned the degree. Some schools have adopted two-color patterns and introduced chevrons and bars in various designs to set themselves apart from other institutions. The velvet trim bordering the hood indicates the major field of learning, or faculty, in which the degree has been earned. The list at the conclusion of this section will explain this relationship. A final feature of the hood concerns its length and width and distinguishes further between holders of bachelor's, master's, and doctor's degrees. The length of the hood for the bachelor's degree is three feet, closed at the bottom, and the velvet border is two inches. At Notre Dame, individuals receiving a bachelor's degree do not wear a hood. A master's degree holder has a hood three and one half feet in length with a three inch wide border, and is slit at the bottom. Those individuals with a doctorate degree wear a hood four feet in length, open at the bottom, with a five inch border.

The gown is usually black in color but some American universities, including Notre Dame, have adopted distinctive colors for their robes. Notre Dame doctorate degree robes are blue, reflecting one of its official colors.

The cut of the gown aids in differentiating between the three levels of degrees. The bachelor's gown is relatively simple and falls in straight lines from an elaborate yoke. It may be recognized most readily by the long, pointed sleeves. The master's gown is somewhat fuller and bears no adornment. The sleeves are oblong in shape and open at the wrist, with the rear part of the oblong square cut while the front edge has a cutaway arc. The doctor's gown is more elaborate with velvet panels down the front and around the neck of the garment. The sleeves are bell-shaped at the end and have three bars of the same material as the front panels at the upper portion of the arm. It is cut rather full and may be ornamental in color. Notre Dame's doctoral gown has royal blue velvet front panels with the University's shield embroidered in gold. The royal blue sleeve chevrons are outlined in gold.

The mortarboard or Oxford-type cap has been adopted throughout most universities in the United States, although Notre Dame's doctoral cap is a royal blue tam. Colored tassels are usually worn by holders of the bachelor's and master's degrees. These denote the field of learning. The list on the next page indicates the tassel colors. Gold tassels are reserved for those with doctorate degrees and governing officers of educational institutions.
## FACULTY COLORS

<table>
<thead>
<tr>
<th>Field</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agriculture</td>
<td>Maize</td>
</tr>
<tr>
<td>Arts, Letters, Humanities</td>
<td>White</td>
</tr>
<tr>
<td>Commerce, Accountancy, Business</td>
<td>Drab</td>
</tr>
<tr>
<td>Dentistry</td>
<td>Lilac</td>
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<tr>
<td>Economics</td>
<td>Copper</td>
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<tr>
<td>Education</td>
<td>Light Blue</td>
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<tr>
<td>Engineering</td>
<td>Orange</td>
</tr>
<tr>
<td>Fine Arts, Including</td>
<td>Brown</td>
</tr>
<tr>
<td>Architecture</td>
<td>Russet</td>
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<tr>
<td>Journalism</td>
<td>Crimson</td>
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<tr>
<td>Law</td>
<td>Purple</td>
</tr>
<tr>
<td>Library Science</td>
<td>Lemon</td>
</tr>
<tr>
<td>Medicine</td>
<td>Green</td>
</tr>
<tr>
<td>Music</td>
<td>Pink</td>
</tr>
<tr>
<td>Nursing</td>
<td>Apricot</td>
</tr>
<tr>
<td>Optometry</td>
<td>Sea Foam Green</td>
</tr>
<tr>
<td>Oratory (Speech)</td>
<td>Silver Gray</td>
</tr>
<tr>
<td>Pharmacy</td>
<td>Olive Green</td>
</tr>
<tr>
<td>Philosophy</td>
<td>Dark Blue</td>
</tr>
<tr>
<td>Physical Education</td>
<td>Sage Green</td>
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<tr>
<td>Podiatry-Chiroprody</td>
<td>Nile Green</td>
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<tr>
<td>Public Administration, Including</td>
<td></td>
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<tr>
<td>Foreign Service</td>
<td>Peacock Blue</td>
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<tr>
<td>Public Health</td>
<td>Salmon Pink</td>
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<tr>
<td>Science</td>
<td>Golden Yellow</td>
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<tr>
<td>Social Science</td>
<td>Cream</td>
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<td>Citron</td>
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<td>Theology</td>
<td>Scarlet</td>
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<tr>
<td>Veterinary Science</td>
<td>Gray</td>
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</tbody>
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*Old Gold and Royal Blue in Hood Denotes a Notre Dame Degree*