

154<sup>th</sup>

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COMMENCEMENT

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EXERCISES

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FRIDAY,

AUGUST 6, 1999



JOYCE CENTER

UNIVERSITY OF NOTRE DAME

NOTRE DAME, INDIANA



OFFICIAL

154th

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COMMENCEMENT

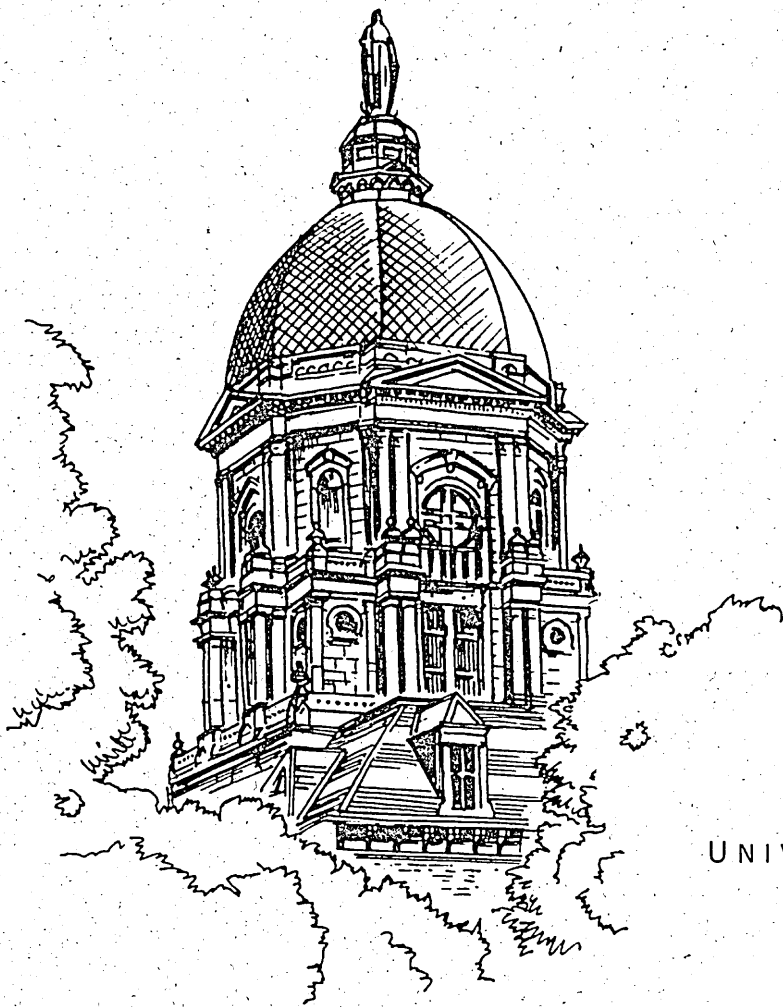
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EXERCISES

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FRIDAY,

AUGUST 6, 1999



JOYCE CENTER

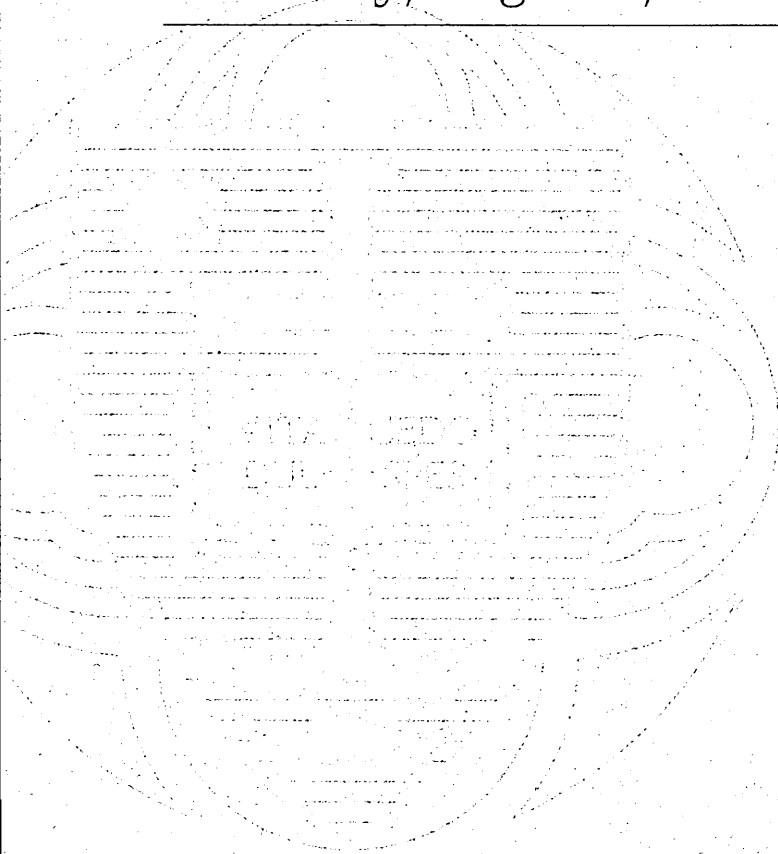
UNIVERSITY OF NOTRE DAME

NOTRE DAME, INDIANA



# Events of the Day

Friday, August 6, 1999



## COMMENCEMENT MASS

**8:30 a.m.**

Degree Candidates and Faculty assemble for the Academic Procession to the Basilica of the Sacred Heart: second floor hallway of the Main Building.

**8:45 a.m.**

Procession begins. (Please note: If the weather is inclement, the procession will be canceled. Proceed directly to the Basilica.)

**9:00 a.m.**

Concelebrated Commencement Mass: the Basilica of the Sacred Heart

### *Principal Celebrant and Homilist*

Rev. James K. Flanigan, C.S.C.

Associate Professor

Department of Art, Art History and Design

### *Concelebrants*

Priests who will be receiving degrees, priest members of the faculty, and priest members of the Congregation of the Holy Cross

## COMMENCEMENT EXERCISES CONFERRAL OF DEGREES

**10:25 a.m.**

Degree Candidates and Faculty assemble in the North Dome of the Joyce Center.

**10:50 a.m.**

Academic Procession begins.

**11:00 a.m.**

Conferring of Degrees Ceremony in the Joyce Center Concourse

### *Presiding Officer*

Jeffrey C. Kantor, Ph.D.

Vice President and Associate Provost

### *Commencement Address*

David K. O'Connor, Ph.D.

Associate Professor

Department of Philosophy

(Guests are requested to be seated in the Concourse of the Joyce Center by 10:50 a.m.)

Reception immediately following the ceremony for graduates and guests: Joyce Center - South Dome

154th

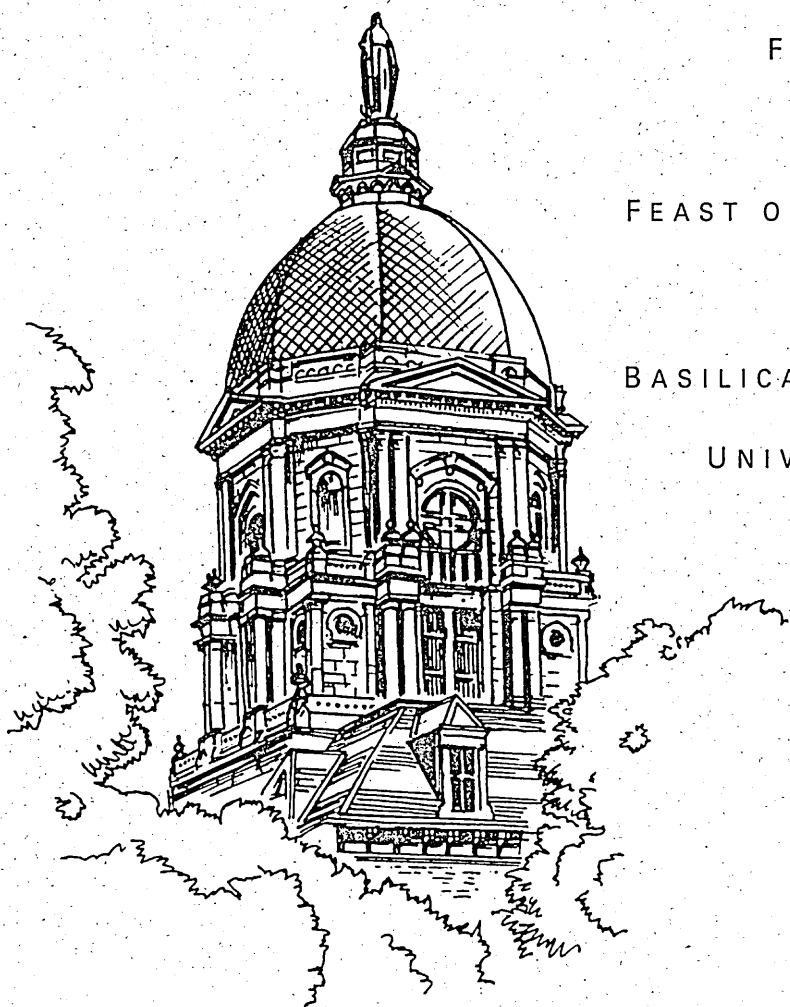
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COMMENCEMENT

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MASS

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FRIDAY, AUGUST 6, 1999

9 A.M. EST

FEAST OF THE TRANSFIGURATION  
OF THE LORD

BASILICA OF THE SACRED HEART

UNIVERSITY OF NOTRE DAME

NOTRE DAME, INDIANA

*Principal Celebrant and Homilist*  
Rev. James F. Flanigan, C.S.C.

*Organist*  
Mr. Andrew McShane

*Cantor*  
Sr. Jill Maria Murdy, O.S.B.

*The Quintessence Brass*



# COMMENCEMENT MASS

## Opening Rites

### ACADEMIC PROCESSION

Trumpet Voluntary ..... Stanley

### OPENING HYMN

To Jesus Christ, Our Sovereign King

*Sich glaub an Gott*

1. To Je - sus Christ, our sov - 'reign King, Who  
2. Your reign ex - tend, O King be - nign, To  
3. To you, and to your church, great King, We

is the world's sal - va - tion, All praise and hom - age  
ev - 'ry land and na - tion; For in your King - dom,  
pledge our heart's ob - la - tion; Un - til be - fore your

do we bring and thanks and ad - o - ra - tion.  
Lord di - vine, A - lone we find sal - va - tion.  
throne we sing In end - less ju - bi - la - tion.

Christ Je - sus, Vic - tor! Christ Je - sus, Ru - ler!

Christ Je - sus, Lord and Re - deem - er!

### PENITENTIAL RITE

### GLORIA

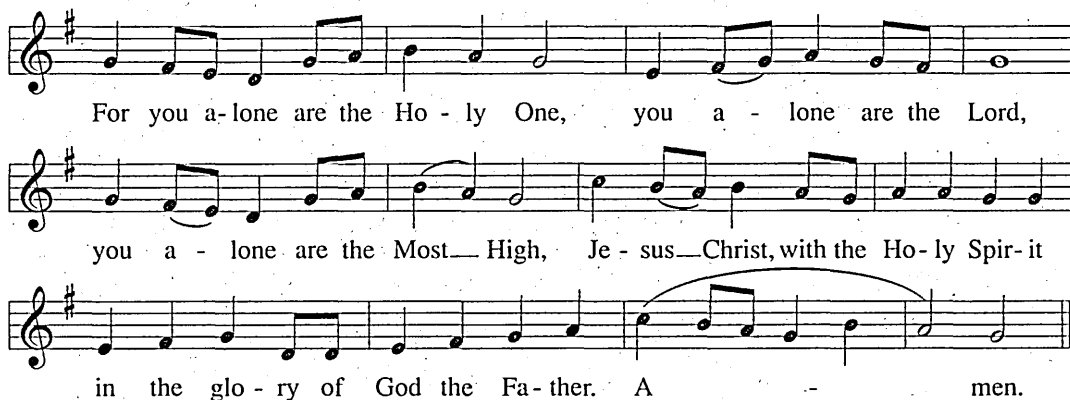
*Andrews*

Glo - ry to God in the high - est, and peace to his peo - ple on earth.

Lord — God, heav - en - ly King, al - might - y — God and Fa - ther, we

wor - ship you, we give you thanks, we praise you — for your glo - ry.

*Cantor/Choir: Lord Jesus Christ...receive our prayer.*



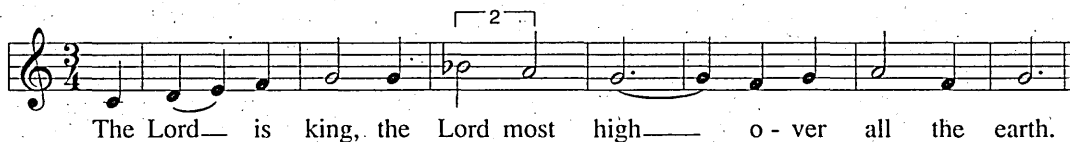
For you a-lone are the Ho - ly One, you a - lone are the Lord,  
you a - lone are the Most— High, Je - sus—Christ, with the Ho - ly Spir - it  
in the glo - ry of God the Fa - ther. A - - men.

**OPENING PRAYER**

**LITURGY OF THE WORD**

**READING I** Daniel 7:9-10, 13-14 *Please be seated.*

**RESPONSORIAL PSALM** Psalm 97:1-2, 5-6, 9 *Guimont*



The Lord— is king, the Lord most high— o - ver all the earth.

**READING II** 2 Peter 1:16-19

**GOSPEL ACCLAMATION**



Al - le - lu - ia, al - le - lu - ia, al - le - lu - ia.

**GOSPEL** Matthew 17:1-9 *For those wearing academic garb, it is customary for men, but not for women, to have their caps removed during the Gospel and Homily.*

**HOMILY** Rev. James F. Flanigan, C.S.C. *Please be seated.*

**GENERAL INTERCESSIONS**



# LITURGY OF THE EUCHARIST

## PREPARATION OF THE GIFTS

*Please be seated.*

Ave Verum Corpus ..... W. A. Mozart

## Eucharistic Prayer

## PRAYER OVER THE GIFTS

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

## SANCTUS

*Proulx*

Ho - ly, ho - ly, ho - ly Lord, God of pow - er and  
might, heav'n and earth are  
full of your glo - ry. Ho - san - na in the  
high - est, ho - san - na in the high - est.  
Blest is he who comes in the name of the  
Lord. Ho - san - na in the high - est, ho -  
san - na in the high - est.

## MEMORIAL ACCLAMATION

*Proulx*

Christ has died, Christ is ris - en, Christ will come a - gain.

GREAT AMEN

Proulx

A - men, a - men, a - men.

Communion Rite

LORD'S PRAYER

SIGN OF PEACE + AGNUS DEI

Isele

Choir or Cantor: Lamb of God, You take a - way the  
 + Assembly:  
 sins of the world, have mer - cy on us. grant us peace.

*To repeat*  
*Last time*

COMMUNION ANTIPHON

Gift of Finest Wheat

Bicentennial

You sat - is - fy the hun - gry heart With  
 gift of fin - est wheat; Come give to us, O  
 sav - ing Lord, the bread of life to eat.

PRAYER AFTER COMMUNION



# Closing Rites

## FINAL BLESSING

### ALMA MATER

Notre Dame, Our Mother

O'Donnell/Casasanta

No - tre Dame, our Mo - ther, ten - der, strong and true,  
Proud - ly in the heav - ens gleams thy gold and blue.  
Glo - ry's man - tle cloaks thee, gold - en is thy fame,  
And our hearts for - ev - er praise thee, No - tre Dame,  
And our hearts for - ev - er love thee, No - tre Dame.

### CONCLUDING HYMN

Now Thank We All Our God

Num danket

1. Now thank we all our God With hearts and hands and voic - es,  
2. O may this boun-teous God Through all our life be near us,  
3. All praise and thanks to God The Fa - ther now be giv - en,  
Who won-drous things has done, in whom the world re - joic - es;  
With ev - er joy - ful hearts And bless - ed peace to cheer us;  
The Son, and him who reigns With them in high - est hea - ven,  
Who, from our moth - er's arms has blessed us on our way  
And keep us in his grace, And guide us when per - plexed,  
The One e - ter - nal God, Whom heav'n and earth a - dore;  
With count - less gifts of love, and still is ours to - day.  
And free us from all ills, In this world and the next.  
For thus it was, is now, And shall be ev - er - more.

#### Acknowledgments

Gloria by Carroll T. Andrews, Psalm 97 by Michel Guimont, Sanctus, Memorial Acclamation, Great Amen (from the Community Mass) by Richard Proulx, Lamb of God by David Isle, Gift of Finest Wheat, music by Robert Kreutz, text by Omer Westendorf printed with permission of GIA Publications, Inc. 7404 S. Mason Ave., Chicago, IL, under license no. 1180. All rights reserved. Used with permission.

Notre Dame, Our Mother, words by Rev. Charles L. O'Donnell, C.S.C., music by Joseph J. Casasanta. ©1960, Edwin H. Morris and Co., a division of M.P.L. Communications, Inc. International copyright secured. All rights reserved. Used with permission.

154th

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COMMENCEMENT

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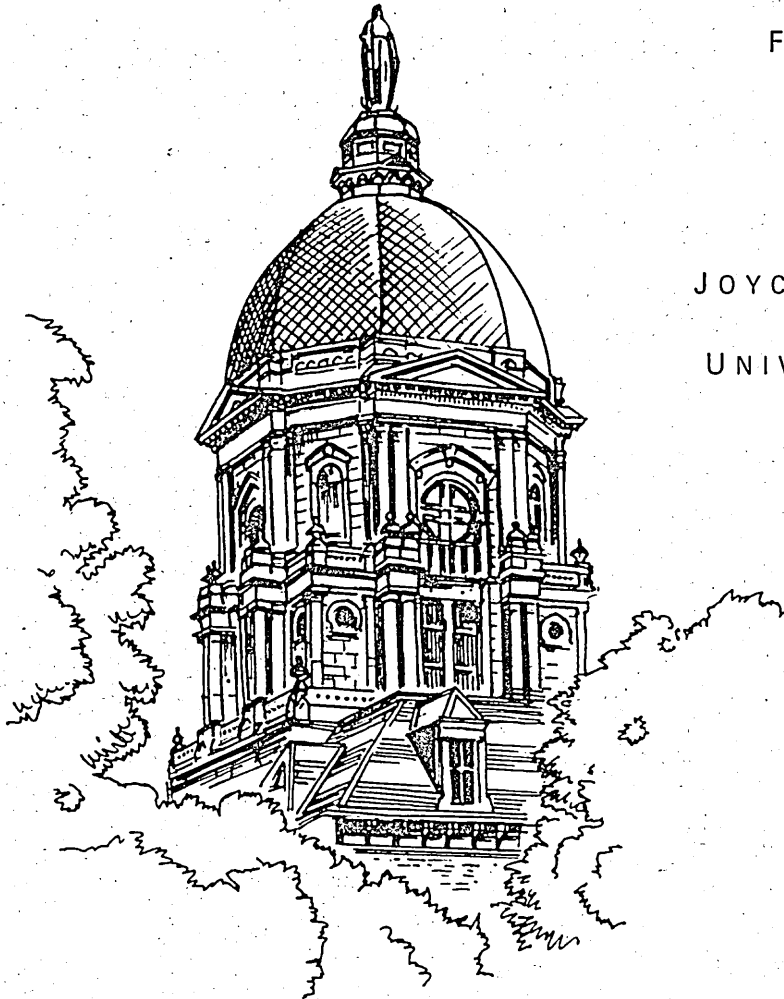
EXERCISES

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FRIDAY, AUGUST 6, 1999

11 A.M. EST

JOYCE CENTER — CONCOURSE  
UNIVERSITY OF NOTRE DAME  
NOTRE DAME, INDIANA



THE GRADUATE SCHOOL  
THE LAW SCHOOL  
THE COLLEGE OF ARTS AND LETTERS  
THE COLLEGE OF SCIENCE  
THE COLLEGE OF ENGINEERING  
THE GRADUATE AND  
UNDERGRADUATE DIVISIONS OF THE  
COLLEGE OF BUSINESS ADMINISTRATION  
THE SCHOOL OF ARCHITECTURE



# Order of Exercises

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## **Processional**

by Harold L. Pace, Ph.D.  
University Registrar

## **America the Beautiful**

Ensemble and Audience  
-Bates-Ward

*O beautiful for spacious skies,  
For amber waves of grain  
For purple mountain majestics  
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 Jeffrey C. Kantor, Ph.D.  
Vice President and Associate Provost

## **Presentation of Candidates for Degrees**

The *Philosophiae Doctor* degree  
by James L. Merz, Ph.D.  
Vice President for Graduate Studies and Research

## **The Master degree**

by James L. Merz, Ph.D.  
Vice President for Graduate Studies and Research

## **The Master of Science in Administration degree**

by Carolyn Y. Woo, Ph.D.  
Dean of the College of Business Administration

## **The Bachelor degree in the College of Arts and Letters**

by Christopher B. Fox, Ph.D.  
Acting Dean of the College of Arts and Letters

## **The Bachelor degree in the College of Science**

by Kathie E. Newman, Ph.D.  
Associate Dean of the College of Science

## **The Bachelor degree in the College of Engineering**

by James I. Taylor, Ph.D.  
Professor of Civil Engineering and Geological Sciences

The Bachelor degree in the College of Business  
Administration  
by Carolyn Y. Woo, Ph.D.  
Dean of the College of Business Administration

**Commencement Address\***

by David K. O'Connor, Ph.D.  
Associate Professor  
Department of Philosophy

**Closing of the Convocation**

by Jeffrey C. Kantor, Ph.D.  
Vice President and Associate Provost

**Notre Dame, Our Mother\* – (Alma Mater)**

Ensemble and Audience  
-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 and Graduates**

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\*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.

# Doctoral Degrees

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## THE DEGREE OF *PHILOSOPHIAE DOCTOR* ON:

**Brian Michael Allen**, Thurmont, Maryland

Major Subject: Mathematics

Dissertation: Linear Systems Analysis and  
Decoding of Convolutional Codes

Director: Dr. Joachim J. Rosenthal

**Mike Randal Beggs**, Fort Worth, Texas

Major Subject: Theology

Dissertation: From Kingdom to *Ethnos*: The  
Transformation of a Metaphor in Eusebius's  
*Historia Ecclesiastica*

Co-Directors: Dr. Harold W. Attridge and  
Dr. Gregory E. Sterling

**Thomas Julius Bollenbach**, Kitchener, Ontario,  
Canada

Major Subject: Biochemistry

Dissertation: Catalytic Mechanism and Allosteric  
Activation of Yeast Pyruvate Kinase

Director: Dr. Thomas L. Nowak

**Bidisha Bose-Basu**, Calcutta, India

Major Subject: Biochemistry

Dissertation: Spin-Coupling Constants Involving  
<sup>13</sup>C in Carbohydrates: New Conformational Probes  
of Oligosaccharide and Oligodeoxyribonucleotide  
Structure and Conformation

Director: Dr. Anthony S. Serianni

**Gordon Bruce Brumwell**, Westchester, Illinois

Major Subject: Biological Sciences

Dissertation: An Examination of Neurogenesis in  
the Planula of the Cnidarian *Pennaria Tiarella* and  
Pre- and Post-Hatching Stages of the Cnidarian  
*Hydra Vulgaris* Using the Neuropeptide  
ARG-PHE-AMIDE (RFamide) and the Antigen JDI  
as Markers

Director: Dr. Frederick W. Goetz, Jr.

**Jennifer Elaine Carter**, Cincinnati, Ohio

Major Subject: Psychology

Dissertation: Explaining Sport Performance:  
Effects of Ability Versus Effort Attributions for  
Success and Failure

Director: Dr. Anita E. Kelly

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**Jay Riley Case**, South Bend, Indiana

Major Subject: History  
Dissertation: Conversion, Civilization and Cultures in the Evangelical Missionary Mind, 1814-1906.  
Director: Dr. George M. Marsden

**Margaret Anne Coffman**, El Toro, California

Major Subject: Biological Sciences  
Dissertation: Characterization of Trout Ovarulatory Proteins, a Family of Ovarian- and Ovulation-Specific of Proteins in the Brook Trout (*Salvelinus fontinalis*).  
Director: Dr. Frederick W. Goetz, Jr.

**Sandra Dean Collins**, South Bend, Indiana

Major Subject: Psychology  
Dissertation: The Role of Values in the Functions of Stereotypes and Prejudice  
Director: Dr. Jeanne D. Day

**Basil Sebastian Davis**, Nagercoil, India

Major Subject: Theology  
Dissertation: Curse and Blessing: The Argument of Galatians 3:1-14  
Co-Directors: Dr. Harold W. Attridge and Dr. Gregory E. Sterling

**Kevin Jonathan Fleming**, Longmeadow, Massachusetts

Major Subject: Psychology  
Dissertation: Assessing Course Understanding in a First-Person Psychology Course: A Construct Validation Study of the Ordered Tree Technique  
Director: Dr. George S. Howard

**Sabina B. Gesell**, Cambridge, Massachusetts

Major Subject: Psychology  
Dissertation: The Roles of Personality and Cognitive Processing in Secret Keeping  
Director: Dr. Anita E. Kelly

**Romi Ghose**, Houston, Texas

Major Subject: Biochemistry  
Dissertation: Protein Kinases and the Regulation of Transcription by Rna Polymerase III  
Director: Dr. Paul W. Huber

**Marcie Christine Gocke-Morey**, St. Louis, Missouri

Major Subject: Psychology  
Dissertation: Children and Marital Conflict: Exploring the Distinction Between Constructive and Destructive Marital Conflict Behaviors  
Director: Dr. E. Mark Cummings

**Stanislav Gordeyev**, Moscow, Russia

Major Subject: Aerospace Engineering  
Dissertation: Investigation of Coherent Structure in the Similarity Region of the Planar Turbulent Jet Using Pod and Wavelet Analysis  
Director: Dr. Flint O. Thomas

**Laura Garmany Holt**, Greenwich, Connecticut

Major Subject: Theology  
Dissertation: Tolle, Scribe: Augustine at Cassiciacum  
Director: Dr. John C. Cavadini

**Thomas Jensen**, Fredensborg, Denmark

Major Subject: Biological Sciences  
Dissertation: Expression and Physiological Function of the Neurotrophins BDNF, NT-3 and Their Receptors TrkB, TrkC and P75<sup>LNTFR</sup> in the Hen Ovarian Follicle.  
Director: Dr. Alan L. Johnson

**Elizabeth Jiméncz-Zamora**, Milwaukee, Wisconsin

Major Subject: Economics  
Dissertation: Labor Market Segmentation and Migrant Labor: A Case Study of Indigenous and Mestizo Migrants in Bolivia  
Director: Dr. Charles Craypo

**Lezlie Susan Knox**, Madison, Wisconsin

Major Subject: Medieval Studies  
Dissertation: *The True Daughters of Francis and Clare*: The Formation of the Order of Saint Clare in Late Medieval Italy  
Director: Dr. John H. Van Engen

**Andrew William Lamb**, South Bend, Indiana

Major Subject: Philosophy  
Dissertation: Situated Science: A Phenomenological Defense of Philosophy as Rigorous Science  
Co-Directors: Dr. Karl Ameriks and Dr. Stephen H. Watson

**Laurentiu Lazarovici**, Constanta, Romania

Major Subject: Mathematics  
Dissertation: Elliptic Sectors in Surface Theory and the Carathéodory-Loewner Conjectures  
Director: Dr. Brian B. Smyth

**Michael James Lettency**, Santa Paula, California

Major Subject: Philosophy  
Dissertation: Georges Cuvier, Transcendental Naturalist: A Study of Teleological Explanation in Biology  
Director: Dr. Phillip R. Sloan

**Xinyu Li**, Sichuan Province,  
People's Republic of China  
Major Subject: Mechanical Engineering  
Dissertation: Microsphere Impacts with Surfaces  
Director: Dr. Patrick F. Dunn

**Ann E. Lundberg**, Boulder, Colorado  
Major Subject: English  
Dissertation: Mapping the Geologic Wilderness:  
Science, Nature Writing and the American Self  
Director: Dr. James P. Dougherty

**Maxim Alexander Makeev**, Moscow, Russia  
Major Subject: Physics  
Dissertation: Morphologies of Ion Sputtered  
Surfaces  
Director: Dr. Albert-László Barabási

**Pedro Marronetti**, Buenos Aires, Argentina  
Major Subject: Physics  
Dissertation: Close Binary Neutron-Star Systems  
Co-Directors: Dr. Grant J. Mathews and  
Dr. James R. Wilson

**Peter C. Meilaender**, South Bend, Indiana  
Major Subject: Government and International  
Studies  
Dissertation: "Home is the Sailor": Towards a  
Theory of Immigration  
Director: Dr. Edward A. Goerner

**Leanne Marie Miller**, Spring Grove, Pennsylvania  
Major Subject: Chemistry  
Dissertation: Multiresonant Excitations Probed  
with Transient Optical Gratings  
Director: Dr. James S. Keller

**Luis Arturo Montes**, San Diego, California  
Major Subject: Physics  
Dissertation: Electron Paramagnetic Studies of  
Diluted Magnetic Semiconductor Nanostructures  
Director: Dr. Jacek K. Furdyna

**Catherine M. Murphy**, Santa Clara, California  
Major Subject: Theology  
Dissertation: The Disposition of Wealth in the  
Literature and Practice of the Qumran  
Community and its Relevance for the Study of the  
New Testament  
Co-Directors: Dr. Harold W. Attridge and  
Dr. James C. VanderKam

**Amy René Noe**, San Diego, California  
Major Subject: Biological Sciences  
Dissertation: Partial Characterization of the  
Protein Maebl and its Use as a Marker for  
Organelle Biogenesis in the Malaria Parasite  
Director: Dr. John H. Adams

**James Paul Old**, Sault Ste. Marie, Michigan  
Major Subject: Government and International  
Studies  
Dissertation: Many Members of One Body: A  
Study of Political Attitudes, Political Theologies  
and Tensions in the Christian Right  
Director: Walter J. Nicgorski

**Frank Channa Peiris**, Notre Dame, Indiana  
Major Subject: Physics  
Dissertation: Measurement and Applications of  
Dispersion in Epitaxial II-VI Semiconductor Thin  
Films and Multilayers  
Director: Dr. Jacek K. Furdyna

**Aleksey Pelekh**, Kazatin, Ukraine  
Major Subject: Chemical Engineering  
Dissertation: Combustion Synthesis of Advanced  
Materials: Studies of the Influence of Gravity  
and Reaction Kinetics  
Directors: Dr. Arvind Varma

**Ann Roney Power**, South Bend, Indiana  
Major Subject: Sociology  
Dissertation: Getting Involved and Getting  
Ahead: Extracurricular Participation and the  
Educational Attainment Process  
Director: Dr. Maureen T. Hallinan

**Bruce Postell Powers IV**, Fayetteville,  
North Carolina  
Major Subject: Psychology  
Dissertation: Cognitive Development,  
Temperament, Attachment, and Maternal  
Sensitivity as Factors in Emotion Regulation  
Director: Dr. Julia M. Braungart-Rieker

**Kerry Ann Rockquemore**, Jackson, Michigan  
Major Subject: Sociology  
Dissertation: Race and Identity: Exploring the  
Biracial Experience  
Director: Dr. Andrew J. Weigert

**Jose Felix Rodriguez**, Caracas, Venezuela  
Major Subject: Mechanical Engineering  
Dissertation: Modeling the Mechanical Behavior  
of Fused Deposition Acrylonitrile-Butadiene-  
Styrene Polymer Components  
Director: Dr. James P. Thomas

**James Joseph Sanchez**, Tucson, Arizona  
Major Subject: Psychology  
Dissertation: An Examination of the Effects of  
Hardiness, Stress-Appraisal and Coping on  
College Student Health  
Director: Dr. Thomas V. Merluzzi



**Alesha Diann Seroczynski**, Dallas, Texas  
Major Subject: Psychology  
Dissertation: Developmental Trends in the  
Co-Occurrence of Behavior Problems and  
Depression: A Four Year Longitudinal Study  
Director: Dr. David A. Cole

**Timothy L. Smith**, Memphis, Tennessee  
Major Subject: Medieval Studies  
Dissertation: Thomas Aquinas' Trinitarian  
Theology: A Study in Theological Method  
Director: Dr. Ralph M. McInerney

**Joseph Arthur Stevano**, Oakville, Ontario, Canada  
Major Subject: Economics  
Dissertation: The MS Method of  
Multidimensional Hypothesis Testing: A More  
Powerful Approach for Testing Hypotheses  
Regarding the Scale Properties of Production  
Functions  
Director: Dr. Lawrence C. Marsh

**Ruth A. Truglio**, Hopewell, New Jersey  
Major Subject: Psychology  
Dissertation: The Relation Between Depressive  
Symptoms and Conduct Problems in Children and  
Adolescents: A Multitrait-Multimethod  
Multigroup Longitudinal Analysis  
Director: Dr. David A. Cole

**Rev. Leslie William Walck**, Colfax, Wisconsin  
Major Subject: Theology  
Dissertation: The Son of Man in Matthew and  
the *Similitudes of Enoch*  
Director: Dr. James C. VanderKam

**Kimberly Anne Wallace**, Tryon, North Carolina  
Major Subject: Psychology  
Dissertation: A Theoretical Examination of  
Protective Factors in Later Life  
Director: Dr. Cindy Bergeman

**Yili Xu**, Beijing, People's Republic of China  
Major Subject: Sociology  
Dissertation: A Study of Abortion Attitudes as  
Components of an Attitudinal System,  
Non-Structurally Supplied Attitudes, and Latent  
Variables  
Director: Dr. Michael R. Welch

**Laura Loeffler Ziebarth**, St. Joseph, Michigan  
Major Subject: Psychology  
Dissertation: Gender Differences in the Certainty  
and Differentiation of Possible Self Images and  
Relationships Between Possible Self Development  
and Identity Development  
Director: Dr. Jeanne D. Day

# Law School

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## THE DEGREE OF *LEGUM MAGISTER* ON:

**Roberto Neves Pedrosa De Cillo**, São Paulo, Brazil  
**Olaf Schick**, *Cum Laude*, Stuttgart, Germany

# Master Degrees

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*In the Graduate School*

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## THE DEGREE OF MASTER OF FINE ARTS ON:

**Kevin Johnson**, Westchester, California  
Major Subject: English  
Thesis: Living With Jazz  
Director: Prof. Valerie Sayers

## THE DEGREE OF MASTER OF MEDIEVAL STUDIES ON:

**Amy Marie Christman**, Goshen, Ohio

**Kelly Suzanne Gritten**, Fairview Heights, Illinois

**Bonnie Chih-Mei Mak**, Vancouver,  
British Columbia, Canada

## THE DEGREE OF MASTER OF MUSIC ON:

**Joshua Paul Foster**, Enon Valley, Pennsylvania

## THE DEGREE OF MASTER OF ARTS ON:

**Awal Abdulai**, Bimbilla, Ghana  
Major Subject: Peace Studies

**Khalid O. Awad**, West Bank, Palestine  
Major Subject: Peace Studies

**James P. Brobst**, San Antonio, Texas  
Major Subject: Theology

**Anna Buša**, Riga, Latvia  
Major Subject: Peace Studies

**Germán Gabriel Cueva**, Monterrey, Mexico  
Major Subject: Economics

**Shiva Hari Dahal**, Bhaktapur, Nepal  
Major Subject: Peace Studies

**Thomas Esper**, Austin, Texas  
Major Subject: Theology

**Brian Randall Gates**, South Bend, Indiana  
Major Subject: Theology

**Sofie Gelashvili**, Tbilisi, Georgia  
Major Subject: Peace Studies

**Rainer Bror Mikael Hindsberg**, Helsinki, Finland  
Major Subject: Peace Studies

**Terese Lynn Jaeger**, Lake Forest, California  
Major Subject: Theology

**Patricia White Kerwin**, Houston, Texas  
Major Subject: Theology

**Reham H. Lashin**, Cairo, Egypt  
Major Subject: Peace Studies  
Thesis: The Islamic Movement in Egypt: An Analytical Perspective on the Early Recourse to Political Violence, 1928-1970  
Director: Dr. George A. Lopez

**Wendy Suzanne Lehman**, Kidron, Ohio  
Major Subject: Peace Studies

**Mary Jane Lopez**, Riverside, California  
Major Subject: Economics

**Elena V. Malofeeva**, Cheboksary, Russia  
Major Subject: Psychology  
Thesis: Development of Similarity Reasoning in Head Start Children  
Director: Dr. Jeanne D. Day

**Sarah Michelle Mathis**, Berkeley, California  
Major Subject: Peace Studies

**Catherine Evelyn McNulty**, Annandale, Virginia  
Major Subject: Theology

**Allen Morris**, London, United Kingdom  
Major Subject: Theology

**Jill Maria Murdy, O.S.B.**, Richardton, North Dakota  
Major Subject: Theology

**Tove Cecilia Norlen**, St. Anna, Sweden  
Major Subject: Peace Studies

**David Gerardo Ortiz Canseco**, Mexico D.F., Mexico  
Major Subject: Peace Studies

**Binnur Özkecceci**, Gaziantep, Turkey  
Major Subject: Peace Studies

**David Richard Parker**, Muskegon, Michigan  
Major Subject: Psychology  
Thesis: A Dynamic Measure of Interactional Synchrony  
Director: Dr. Steven M. Boker

**Ginger Stone Piotter**, Bridgman, Michigan  
Major Subject: English

**Adriana Quiñones**, Bogota, Columbia  
Major Subject: Peace Studies

**Joan A. Reardon**, Daytona Beach, Florida  
Major Subject: Theology

**Joseph G. Ring**, Charleston, Illinois  
Major Subject: Theology

**Susan Marie Secby, C.S.S.F.**, Chicago, Illinois  
Major Subject: Theology

**Ashley Elizabeth Shannon**, Worcester, Massachusetts  
Major Subject: English  
Thesis: Burke-ing up the Wrong Tree: Gender, Class and Colonialism in Maria Edgeworth's Irish Novels  
Director: Dr. James H. Walton

**John M. Shields**, Park Forest, Illinois  
Major Subject: Theology

**Martine Kaswahile SongaSonga Nono**, Boortmeerbeek, Belgium  
Major Subject: Peace Studies

**Jennifer A. Stewart**, Little Rock, Arkansas  
Major Subject: Peace Studies

**Lawrence R. Tensi**, Cincinnati, Ohio  
Major Subject: Theology

**Cong Dan Thai**, Cantho City, Vietnam  
Major Subject: Peace Studies

**Tracy Sayuki Tiemeier**, Libertyville, Illinois  
Major Subject: Theology

**Loc Quang Tran**, Chicago, Illinois  
Major Subject: Theology

**Kevin Christian Walsh**, West Nyack, New York  
Major Subject: Theology

**Xiao-Qing Wang**, Hebei, People's Republic of China  
Major Subject: Sociology  
Thesis: Family Structure and Asian and Asian-American Students' Mathematics Achievement  
Director: Dr. Richard A. Williams

**Edna Ruth Yahil**, East Setauket, New York  
Major Subject: History

**Glenn Anthony Young**, Kansas City, Missouri  
Major Subject: Theology

**Kamar Yousuf**, Hargeisa, Somalia  
Major Subject: Peace Studies

**Fang Zhang**, Beijing, People's Republic of China  
Major Subject: Peace Studies

**THE DEGREE OF MASTER OF SCIENCE ON:**

**Brian A. Di Paolo**, Mishawaka, Indiana  
Major Subject: Chemistry  
Thesis: Toward the Synthesis of Bis-Aryl Ethynyl Oligomers and their Application in Materials Chemistry  
Director: Dr. Olaf G. Wiest

**Hans Georg Freiermuth**, Neustadt, Germany  
Major Subject: Mathematics

**Erica Elizabeth Jasper**, Kalamazoo, Michigan  
Major Subject: Physics

**Laurentiu Lazarovici**, Constanta, Romania  
Major Subject: Mathematics

**Julie Peller**, Merrillville, Indiana  
Major Subject: Chemistry  
Thesis: Radiolytic and Sonolytic Degradation of 2,4-D  
Co-Directors: Dr. Prashant V. Kamat and Dr. Olaf G. Wiest

**Rajyashree Ray**, Calcutta, India  
Major Subject: Biochemistry  
Thesis: Characterization of Mutations in the Activation Peptide of Human Plasminogen  
Director: Dr. Francis J. Castellino

**THE DEGREE OF MASTER OF SCIENCE IN CHEMICAL ENGINEERING ON:**

**Pavlo Volodymirovich Takhistov**, Kiev, Ukraine  
Thesis: Experimental Study of Electro-Hydrodynamic Phenomena  
Director: Dr. Hsueh-Chia Chang

**THE DEGREE OF MASTER OF SCIENCE IN COMPUTER SCIENCE AND ENGINEERING ON:**

**Tao Zhou**, Sichuan, People's Republic of China  
Thesis: A Probabilistic Metric for Real-Time Embedded System  
Director: Dr. Xiaobo (Sharon) Hu

**THE DEGREE OF MASTER OF SCIENCE IN ELECTRICAL ENGINEERING ON:**

**Lu Cheng**, Shenyang, People's Republic of China  
Thesis: Timing Based Mutual Exclusion in Networked Control Systems  
Director: Dr. Michael D. Lemmon

**Xiaohui Wang**, Notre Dame, Indiana

**THE DEGREE OF MASTER OF SCIENCE IN ENVIRONMENTAL ENGINEERING ON:**

**Meredith Lisa Moses**, Norwell, Massachusetts  
Thesis: Consideration of Alginate as a Material for the Filtration of Colloids  
Director: Dr. Philip R. Johnson

**Shelley Renee Trujillo**, Los Alamos, New Mexico  
Thesis: Sequencing Batch Reactor Operation of Constructed Wetlands  
Director: Dr. Lloyd H. Ketchum, Jr.

**THE DEGREE OF MASTER OF SCIENCE IN GEOLOGICAL SCIENCES ON:**

**David Allen Fowle**, London, Ontario, Canada  
Thesis: Competitive Adsorption of Metal Cations Onto Two Gram Positive Bacteria: Testing the Chemical Equilibrium Model  
Director: Dr. Jeremy B. Fein

**THE DEGREE OF MASTER OF SCIENCE IN MECHANICAL ENGINEERING ON:**

**Jing-Fang Wang**, Taipei, Taiwan  
Thesis: Automatic Differentiation in Multiobjective Collaborative Optimization  
Director: Dr. John E. Renaud

**Lesley G. Weiss**, Evansville, Indiana  
Thesis: An Experimental Investigation of Some Three-Dimensional Effects of Stationary and Oscillating Circular Cylinders  
Director: Dr. Albin A. Szewczyk

*In the College of  
Business Administration*

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**THE DEGREE OF MASTER OF BUSINESS  
ADMINISTRATION ON:**

Monty E. James, Vista, California

**THE DEGREE OF MASTER OF SCIENCE IN  
ADMINISTRATION ON:**

**Sr. Helen E. Blendermann, C.S.J.P.,**  
Englewood Cliffs, New Jersey

**Barbara Leigh Dodson,** Granger, Indiana

**Brian Jay Egendorf,** *Magna Cum Laude,*  
South Bend, Indiana

**Deborah Hammond,** Indianapolis, Indiana

**William D. Jordan,** *Summa Cum Laude,*  
Stevens Point, Wisconsin

**Matthew Kowalski,** *Magna Cum Laude,*  
Marvin, South Dakota

**Mary Veronica Martin,** *Cum Laude,* South Bend,  
Indiana

**Randal Eric Possinger,** *Summa Cum Laude,*  
Spring Lake, Michigan

**Mark A. Price,** Warsaw, Indiana

**Edward A. Trifone,** Niles, Michigan

**Nancy J. Rut-Zyrkowski,** *Cum Laude,* Myersville,  
Maryland

# College of Arts and Letters

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## THE DEGREE OF BACHELOR OF ARTS ON:

Nicholas Athanasios Angelis, Silver Spring,  
Maryland  
Brendan Edward Barry, Framingham,  
Massachusetts  
Nino Michael Berticelli, Granger, Indiana  
Amy Annette Blaska, Atlanta, Georgia  
Kristen Elizabeth Brec, Medford, New Jersey  
Rebecca Lee Burick, The Woodlands, Texas  
Danny C. Chambliss, South Bend, Indiana  
Melia N. Chccchia, Bethpage, New York  
Timothy James Christ, Mokena, Illinois  
Willie Calvin Clark, Bradenton, Florida  
Christopher F. Flanagan, Branford, Connecticut  
Iain Daniel Gould, Vista, California  
Elizabeth Susan Grandin, *Magna Cum Laude*,  
West Palm Beach, Florida  
Benny C. Guilbeaux, Opelousas, Louisiana  
Bernard Timothy Hessley, Warren, Pennsylvania  
Joseph William Kasko, Tega Cay, South Carolina  
Courtney Lee King, South Bend, Indiana  
Katherine Elizabeth Kneepkens, Wauwatosa,  
Wisconsin  
Kevin Michael Kopka, Hollywood, Florida  
Omar S. Lucero, Berino, New Mexico  
Arturo Mancha, Eagle Pass, Texas  
Bridget Louise McCarthy, *Magna Cum Laude*,  
Indianapolis, Indiana  
Daniel Michael McGrath, Batavia, Illinois  
Christopher Thomas Moore, South Bend, Indiana  
William George Mulcahy, Chicago, Illinois  
K. Maxwell Murphy, Riverhead, New York  
Eileen Sandra Pruitt, Buchanan, Michigan  
Sabriya Rice, Columbia, South Carolina  
Andrew Peter Sandler, South Bend, Indiana  
Philip Nathaniel Sapirstein, *Magna Cum Laude*,  
South Bend, Indiana  
Tara Julienc Scott, Macon, Illinois  
Nebeesh Shognosh, Walpole Island, Ontario, Canada  
Brianna Joy Smith, Palm Bay, Florida  
Stephen Ward Taylor, Rockville Centre, New York

# College of Science

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## THE DEGREE OF BACHELOR OF SCIENCE ON:

Ellen Bridget Carter, Raleigh, North Carolina  
Megan Elizabeth Collins, Southport, Connecticut  
Catherine Anne O'Brien, Rockaway, New Jersey  
Gregory Pio Yatarola, *Cum Laude*, Dolgeville,  
New York

# College of Engineering

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## THE DEGREE OF BACHELOR OF SCIENCE IN COMPUTER SCIENCE ON:

Richard L. Shoosmith, Mishawaka, Indiana

## THE DEGREE OF BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING ON:

Jason James Jankowiak, Buffalo, New York

# College of Business Administration

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## THE DEGREE OF BACHELOR OF BUSINESS ADMINISTRATION ON:

Reginald Arthur Brooks, Tulsa, Oklahoma  
Kelly Tricia Canavan, Duluth, Georgia  
Emily E. Cox, South Bend, Indiana  
Nicole Reed Hudson, *Cum Laude*, Jasper, Indiana  
Kelly Ann Martin, Hutchinson, Kansas  
Erin Elizabeth McGinty, Laguna Niguel, California  
Kevin Matthew Melchior, Vincennes, Indiana  
Erin Anne Rankin, Jupiter, Florida  
John F. Roach, Pasco, Washington  
Jennifer Ruth Ryan, Chicago, Illinois  
Carl Christopher Schwab, Mission Viejo, California  
Carolyn Melissa Stringer, Key Biscayne, Florida  
Jeremy Shane Thompson, Kokomo, Indiana  
Samuel Clayton Williams, Taylor, Michigan

# School of Architecture

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## THE DEGREE OF BACHELOR OF ARCHITECTURE ON:

Danjuma O.C. Gaskin, Chicago, Illinois



# Honor Societies

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IN THE COLLEGE OF ARTS AND LETTERS, THE FOLLOWING WERE ELECTED TO MEMBERSHIP IN THE GERMAN LANGUAGE HONOR SOCIETY OF DELTA PHI ALPHA:

Bridget Louise McCarthy

## Awards and Prizes

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### *National Awards*

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**Association of Black Sociologists, Annual Graduate Student Paper Competition, First Place**

Kerry Ann Rockquemore, Jackson, Michigan

**Behaviorial and Social Sciences Pre-Dissertation Award, Gerontological Society of America**

Kimberly Anne Wallace, Tryon, North Carolina

**Bradley Fellowship**

Michael James Letteney, Santa Paula, California  
Timothy L. Smith, Memphis, Tennessee

**Christian Scholarship Foundation Grant Recipient, 1995-96**

Mike Randal Beggs, Fort Worth, Texas

**CONICIT (Venezuelan Government Institution for Science and Technology Development) Fellowship**

Jose Felix Rodriguez, Caracas, Venezuela

**D.A.A.D. Grant**

Timothy L. Smith, Memphis, Tennessee

**Flemish Community Fellowship (Belgium)**

Andrew William Lamb, South Bend, Indiana

**Franklin Fellowship, University of Georgia**

Andrew William Lamb, South Bend, Indiana

**Fulbright Grant for Graduate Study and Research  
Abroad**

Lezlie Susan Knox, Madison, Wisconsin

**Fulbright-Laspau Fellow**

Elizabeth Jiménez-Zamora, Milwaukee, Wisconsin

**General Electric Fund Graduate Fellowship in  
Physics, 1996-97**

Erica Elizabeth Jasper, Kalamazoo, Michigan

**Dolores Zohrab Liebmann Fellow**

Kimberly Anne Wallace, Tryon, North Carolina

**Midwest Regional Society of Biblical Literature  
Student Paper Award Winner, 1998**

Mike Randal Beggs, Fort Worth, Texas

**National Collegiate Athletic Association  
Post-Graduate Fellowship**

Jennifer Elaine Carter, Cincinnati, Ohio

**National Institute of Health Trainee**

Marcie Christine Goeke-Morey, South Bend,  
Indiana

Amy René Noe, San Diego, California

**North Central Sociological Association Annual  
Graduate Student Paper Competition, Winner**

Kerry Ann Rockquemore, Jackson, Michigan

**Scholar of the Cusanuswerk (Germany)**

Hans Georg Freiermuth, Neustadt, Germany

*In the Graduate School*

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**Clare Booth Luce Fellowship**

Margaret Anne Coffman, El Toro, California

**McGuire Fellow**

Basil Sebastian Davis, Nagercoil, India  
Joshua Paul Foster, Enon Valley, Pennsylvania  
Kerry Ann Rockquemore, Jackson, Michigan

**Project Latin America 2000**

Germán Gabriel Cueva, Monterrey, Mexico

**University Minority Fellow**

Shelley Renee Trujillo, Los Alamos, New Mexico

**University Presidential Fellow**

Peter C. Meilaender, South Bend, Indiana  
Kelly Suzanne Gritten, Fairview Heights, Illinois

# Academic Attire

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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 discernable 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.

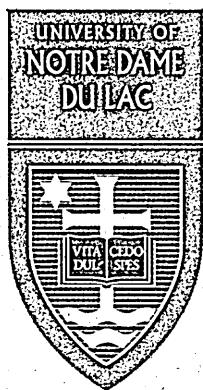
The cut of the gown aids in differentiating between the three levels of degrees. The bachelor's gown is relatively simple and falls in straight lines from an elaborate yoke. It may be recognized most readily by the long, pointed sleeves. The master's gown is somewhat fuller and bears no adornment. The 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 bellshaped 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.

# Processional Banners (Gonfalons)

The gonfalon, a banner that hangs from a crosspiece or frame, originated in the medieval republics of Italy as an ensign of state or office. Gonfalons have been adopted in many universities around the world as college or institutional insignias, and many use them to identify and lead colleges and schools within the university in academic procession.

The lower half of the gonfalon consists of a shield with a clear blue field and a cross of gold. This is part of the armorial seal designed by Pierre de Chaignon la Rose of Harvard in 1931. The heraldic colors (gold and blue) are symbolic of the Mother of God, to whom, Father Sorin first dedicated Notre Dame. At the shield's base are two wavy lines (indicating the *a Lacu*, "of the Lake," in the University's official title), and above them to the left is a star, another emblem of the Virgin, Star of the Sea. The cross represents the Congregation of Holy Cross, which founded Notre Dame; an institution of learning is denoted by the open book. The phrase "*Vita, Dulcedo, Spes*," taken from the ancient prayer to the Virgin, the *Salve Regina*, celebrates her as "life, sweetness, and hope."



Gonfalons designed by Paul Wieber of Notre Dame Publications and Graphic Services, commissioned by Watra Church Goods, Chicago, and manufactured by Slabbinck of Brugge, Belgium.

## Faculty Colors

AGRICULTURE .....	Maize
ARCHITECTURE .....	Blue Violet
ARTS, LETTERS, HUMANITIES .....	White
COMMERCE, ACCOUNTANCY, BUSINESS .....	Drab
DENTISTRY .....	Lilac
ECONOMICS .....	Copper
EDUCATION .....	Light Blue
ENGINEERING .....	Orange
FINE ARTS .....	Brown
FORESTRY .....	Russet
JOURNALISM .....	Crimson
LAW .....	Purple
LIBRARY SCIENCE .....	Lemon
MEDICINE .....	Green
MUSIC .....	Pink
NURSING .....	Apricot
OPTOMETRY .....	Sea Foam Green
ORATORY (SPEECH) .....	Silver Gray
PHARMACY .....	Olive Green
PHILOSOPHY .....	Dark Blue
PHYSICAL EDUCATION .....	Sage Green
PODIATRY-CHIROPODY .....	Nile Green
PUBLIC ADMINISTRATION, INCLUDING FOREIGN SERVICE .....	Peacock Blue
PUBLIC HEALTH .....	Salmon Pink
SCIENCE .....	Golden Yellow
SOCIAL SCIENCE .....	Cream
SOCIAL WORK .....	Citron
THEOLOGY .....	Scarlet
VETERINARY SCIENCE .....	Gray

Old Gold and Royal Blue in Hood Denotes a Notre Dame Degree.

# Symbol of Office

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## THE UNIVERSITY MACE

The academic scepter, or mace, was one of the earliest distinctive signs of medieval university officials. The mace was originally a wooden staff carried by royal messengers. The early wooden staff on the university beadle, a subaltern official, evolved in the 14th century into an elaborate silver mace. It was carried by the beadle during processions and graduation ceremonies, and was displayed as a symbol to command order during classes. In the 15th century it became symbolic of academic dignity. An essential part of the mace was the staff or cylindrical rod (*tibia*), originally a tube of silver filled with wood or some other base materials. The staff, divided into several sections, was held together by a ring-shaped excrescence (*nodus*). The staff was crowned with a bell-shaped head (*caput*); at the base was a finial (*membrum terminale*).

The Notre Dame mace was designed and executed by Rev. Anthony Lauck, C.S.C., professor emeritus of art, art history and design. The bronze *caput* repeats the University seal found on the Presidential Medal, but brings the star outside the shield where its separate rendering emphasizes the patronage of the Virgin Mary. Its shaft is in walnut and the star and the finial, bear the University colors gold and blue.

