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**COMMENCEMENT 1972**

**MICHIGAN STATE UNIVERSITY**

## THE COMMENCEMENT COMMITTEE

HERMAN L. KING, *Chairman*

MADISON KUHN

DONNA BROCK  
*Student Representative*

JOHN G. LAETZ

LLOYD R. CHAMPION

SUE MOEHRING  
*Student Representative*

EVERETT R. EMINO

MILTON E. MUELDER

HORACE C. KING

KERMIT H. SMITH

### DIPLOMAS WILL BE AVAILABLE FOR PICKUP AS FOLLOWS:

Advanced Graduate degrees ....beginning Apr. 3—Room 150 Hannah Administration Building  
Master degrees .....beginning Apr. 10—Room 150 Hannah Administration Building  
Bachelor degrees .....beginning Apr. 17—Room 50 Hannah Administration Building

Diplomas will be released only to the degree recipients upon presentation of identification.  
Diplomas not picked up by May 8 will be mailed.



**COMMENCEMENT 1972**

**Sunday, March 12**

**University Auditorium, East Lansing**

**Conferral of Graduate Degrees, 10 A.M.**

**Conferral of Baccalaureate Degrees, 3 P.M.**



# BOARD OF TRUSTEES

Michigan State University operates under the jurisdiction of a constitutional body known as the Board of Trustees. The eight elected members serve eight-year terms. Two are elected biennially from the state at large.

The President of the University is appointed by the Board and is by constitutional provision the presiding member of the body.

The Board likewise appoints a Secretary and a Treasurer.

The Board has general supervision of the University and the control and direction of all expenditures of University funds.

THE HONORABLE PATRICIA CARRIGAN .....	<i>Ann Arbor</i>
THE HONORABLE FRANK HARTMAN .....	<i>Flint</i>
THE HONORABLE WARREN M. HUFF .....	<i>Plymouth</i>
THE HONORABLE BLANCHE MARTIN .....	<i>East Lansing</i>
THE HONORABLE FRANK MERRIMAN .....	<i>Deckerville</i>
THE HONORABLE DON STEVENS .....	<i>Okemos</i>
THE HONORABLE KENNETH W. THOMPSON .....	<i>Grand Rapids</i>
THE HONORABLE CLAIR WHITE .....	<i>Bay City</i>

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CLIFTON R. WHARTON, JR., <i>Ex Officio, President</i> .....	<i>East Lansing</i>
JACK BRESLIN, <i>Secretary</i> .....	<i>East Lansing</i>
ROGER WILKINSON, <i>Treasurer</i> .....	<i>Okemos</i>



# ACADEMIC COSTUME

The pageantry and color at commencement exercises reveal a record of academic achievement of the various individuals taking part in the exercises. The following brief description is given that the audience might more readily interpret such achievement.

In 1895, the Intercollegiate Commission, a group of leading American educators, met at Columbia University to draft a code which would serve to regulate the design of gowns and hoods indicating the various degrees as well as the colors to indicate the various faculties. This code has been adopted by most of the colleges and universities in America and its use has made identification of scholastic honors an immediate activity.

Three types of gowns are indicated by the code. Those worn by the bachelors have long, pointed sleeves. Those worn by masters have long, closed sleeves with the arc of a circle near the bottom. The arm goes through a slit, giving the appearance of short sleeves for the master's gown. Doctor's gowns are faced with velvet. The sleeves are full, round and open with three bars of velvet on each sleeve. The velvet facing of bars on the sleeves may be black or the same color as the binding of the hood.

Hoods are made of material identical with the gown and are lined in the official academic color of the institution conferring the degree. If the institution has more than one color, the chevron is used to introduce the second color. Colored velvet or velveteen binds the hoods and indicates the department or faculty to which the degree pertains.

Historical associations of color have been continued to signify the various faculties. Arts and letters can be recognized by the white, taken from the traditional white fur trimming of the Oxford and Cambridge Bachelor of Arts hoods. Red, long traditional of the church, indicates theology. The royal purple of the King's court signifies law. The green of medicinal herbs immediately identifies a medical degree. Philosophy is signified by the color of wisdom and truth, blue. Because through research untold wealth has been released to the world, science is identified by golden yellow. Oxford pink indicates music, and russet brown, the color of dress worn by ancient English foresters, indicates forestry.

The color of the velvet of the hood is distinctive of the subject to which the degree pertains. For example, the trimming for the degree of Master of Science in Agriculture should be maize, representing agriculture, rather than golden yellow, representing science.

At Michigan State University, it is customary to identify the bachelors graduating from the different departments of study by tassels of the official department color as established by the Intercollegiate Code.

COLLEGE OF AGRICULTURE AND NATURAL RESOURCES .....	<i>Maize</i>	COLLEGE OF HUMAN ECOLOGY .....	<i>Maroon</i>
Forest Products, Forestry, Packaging .....	<i>Russet</i>	COLLEGE OF HUMAN MEDICINE .....	<i>Green</i>
COLLEGE OF ARTS AND LETTERS .....	<i>White</i>	JAMES MADISON COLLEGE .....	<i>Citron</i>
Music .....	<i>Pink</i>	JUSTIN MORRILL COLLEGE .....	<i>White</i>
Philosophy .....	<i>Navy Blue</i>	LYMAN BRIGGS COLLEGE .....	<i>Golden Yellow</i>
COLLEGE OF BUSINESS .....	<i>Drab</i>	COLLEGE OF NATURAL SCIENCE.....	<i>Golden Yellow</i>
Economics .....	<i>Copper</i>	Nursing .....	<i>Apricot</i>
COLLEGE OF COMMUNICATION ARTS.....	<i>Royal Blue</i>	COLLEGE OF OSTEOPATHIC MEDICINE .....	<i>Green</i>
Journalism .....	<i>Crimson</i>	COLLEGE OF SOCIAL SCIENCE .....	<i>Citron</i>
Speech.....	<i>Silver Gray</i>	COLLEGE OF VETERINARY MEDICINE .....	<i>Dark Gray</i>
COLLEGE OF EDUCATION.....	<i>Light Blue</i>		
COLLEGE OF ENGINEERING .....	<i>Orange</i>		

# ORDER OF CEREMONIES

## Graduate Degrees

### PROCESSIONAL

MARCH MILITAIRE FRANCAIS .....*Saint-Saens*  
The University Symphony Orchestra

AMERICA.....*Smith*  
(The Orchestra and Audience)

### PRAYER

DR. GORDON MCKENZIE  
*Department of American Thought and Language, Michigan State University*

### COMMENTS

DR. WILLIAM HAWLEY  
*Dean, College of Education, Michigan State University*

### SPECIAL MUSIC

CONCERTO FOR PIANO AND ORCHESTRA .....*Mendelssohn*  
(First Movement: Allegro)  
Pamela Haendel, Piano

### CONFERRING OF DEGREES

CLIFTON R. WHARTON, JR., M.A., Ph.D.  
*President, Michigan State University*

ALMA MATER.....*Traynor*

M.S.U., we love thy shadows  
When twilight silence falls,  
Flushing deep and softly paling  
O'er ivy-covered halls.  
Beneath the pines we'll gather  
To give our faith so true,  
Sing our love for Alma Mater  
And thy praises, M.S.U.  
(The Orchestra and Audience)

### PRAYER

DR. MCKENZIE

### RECESSIONAL

CORONATION MARCH from *The Prophets* .....*Mayerbeer*  
The University Symphony Orchestra

The escorts for the procession are members of Mortar Board, Tower Guard and Alpha Lambda Delta, honor societies for University women.

The audience is requested to remain seated while those in the procession are entering and leaving the auditorium.



# ORDER OF CEREMONIES

## Baccalaureate Degrees

### PROCESSIONAL

MARCH MILITAIRE FRANCAIS ..... *Saint-Saens*  
The University Symphony Orchestra

AMERICA ..... *Smith*  
(The Orchestra and Audience)

### PRAYER

DR. GORDON MCKENZIE  
*Department of American Thought and Language, Michigan State University*

### ADDRESS

VERNON E. JORDAN, JR.  
*Executive Director, National Urban League*

### SPECIAL MUSIC

CONCERTO FOR PIANO AND ORCHESTRA ..... *Chopin*  
(First Movement: Allegro)  
Steve Tarpley, Piano

### CONFERRING OF DEGREES

CLIFTON R. WHARTON, JR., M.A., Ph.D.  
*President, Michigan State University*

ALMA MATER ..... *Traynor*

M.S.U., we love thy shadows  
When twilight silence falls,  
Flushing deep and softly paling  
O'er ivy-covered halls.  
Beneath the pines we'll gather  
To give our faith so true,  
Sing our love for Alma Mater  
And thy praises, M.S.U.  
(The Orchestra and Audience)

### PRAYER

DR. MCKENZIE

### RECESSIONAL

CORONATION MARCH from *The Prophets* ..... *Mayerbeer*  
The University Symphony Orchestra

The escorts for the procession are members of Mortar Board, Tower Guard and Alpha Lambda Delta, honor societies for University women.

The audience is requested to remain seated while those in the procession are entering and leaving the auditorium.



# MICHIGAN STATE UNIVERSITY

Michigan State University, one of the leading land-grant universities and the first agricultural college in America, strives for excellence in affording liberal and practical education for its students in a broad range of human endeavors.

MSU also serves people of the state, nation and world through its numerous research, extension and international programs.

Now in its 118th year, Michigan State University has grown from three buildings and six faculty members to one of the largest universities in the nation. It has more than 3,000 staff members engaged in teaching, research and public service, 428 buildings, and approximately 5,000 acres of land of which 2,010 acres are in existing or planned campus development.

Founded in 1855 to educate youth for the major occupation of that day — farming — MSU has broadened its offerings to meet the educational needs of today. The University now has the School for Advanced Graduate Studies and 16 colleges — Agriculture and Natural Resources, Arts and Letters, Business, Communication Arts, Education, Engineering, Human Ecology, Human Medicine, James Madison, Justin S. Morrill, Lyman J. Briggs, Natural Science, Osteopathic Medicine, Social Science, Veterinary Medicine and the University College. Nearly 200 areas of specialization are available to undergraduates; approximately 300 are offered for graduate students.

The Honors College, which enables superior students to waive normal graduation requirements and undertake individual programs, attracts many of the nation's finest young scholars. Michigan State University also is a prominent sponsor of the National Merit Scholarship Program, comprised of an unusually select group of scholars.

One of the many innovations in higher education made by Michigan State University is its coeducational academic-residence halls. Incorporation of classrooms and faculty offices with living, dining and recreational facilities has given these giant dormitories, now nine in number, a stimulating academic environment. Each of these halls is the center of curricular and noncurricular activities, creating a "college within a college" atmosphere.

The "small college within the larger university" concept was introduced at MSU by the establishment of the Justin S. Morrill College, which offers a limited enrollment liberal education program with an international emphasis. The concept was expanded by the establishment and opening of the James Madison College and the Lyman J. Briggs College. James Madison offers a curriculum for the study of public policy problems within the framework of the social sciences and related disciplines. Lyman Briggs makes available a liberal curriculum for students especially interested in science and mathematics.

Today, more than 41,000 students attend the University at East Lansing. About 80 percent are from Michigan, representing every section of the state. Students also come from every state in the nation and 83 foreign countries.

# MICHIGAN STATE UNIVERSITY

(continued)

In the land-grant tradition it pioneered, Michigan State University is concerned with research and service as well as teaching.

All colleges and the Agricultural Experiment Station are engaged in a wide range of research. Approximately 2,000 individual projects are in process. The University's research tools include the Control Data 3600 and 6500 computers, a 50-million-volt cyclotron, and the MSU Observatory which houses a three-ton, 24-inch reflecting telescope. Modern facilities include the following buildings: chemistry, biochemistry, psychology research, veterinary medicine, plant science research, natural resources, food science, pesticide research, and Life Sciences I.

Through an agreement with the Atomic Energy Commission, MSU has become a national center for basic research on plants and their reactions to radiation; involved is a \$2 million building, a staff of approximately 90 persons and an annual budget of approximately \$1 million.

Benefits of the University are brought to every county in Michigan by the Cooperative Extension Service and the Continuing Education Service. Their programs, on and off campus, provide a wide range of technical information and formal course work for hundreds of thousands of Michigan citizens. The Kellogg Center for Continuing Education, one of the finest conference centers in the nation, annually hosts nearly 50,000 adults who come to the campus for some 600 conferences and other educational meetings.

Michigan State University's land-grant concept of service is international. Supported by grants from the federal government and private foundations, Michigan State University maintains research and educational assistance projects in Asia, Africa and Latin America. International projects have given many faculty members overseas experience, adding a new dimension to their teaching.

With more than a century of educational achievement behind it, Michigan State University continues to apply its academic and physical resources to the problems of today and the challenges of the future.



# HONORARY DEGREES

JORGE LUIS BORGES

Because of the remarkable depth and scope of your achievement as a literary artist, you are widely regarded as Latin America's foremost living author. Your influence on the literature of your native Argentina has been extraordinary, but throughout the world, and in the United States especially, you are acclaimed as a man whose works both reflect and illuminate our age. You have been an understanding and compassionate teacher of American and English literature at the University of Buenos Aires and, bridging two artistic worlds, you have taught the literature of Argentina at the University of Texas and Harvard University. In your critical essays as well as in your poetry and fiction, you have openly and faithfully supported the principle of liberty and democratic institutions and have eloquently opposed the suppression of free men. On this occasion of your return to Michigan State University, we wish to acknowledge once again the pleasure of the academic community in your visit and poetic reading here in 1969. In recognition of your distinguished literary career, your deep interest in our North American culture, and because of the wise and penetrating insights which you have brought to our human experience, Michigan State University is pleased to grant you the degree of Doctor of Humane Letters.

FRANCIS E. FERGUSON

In the quarter century since your graduation from Michigan State University as an agricultural economist, you have had an unusually successful career as a business executive. Even before your graduation, you had served four eventful years in World War II as a bomber pilot and, after being shot down over Germany, had endured 19 months as a prisoner of war. For a time you were an extension specialist here, where you demonstrated your initiative and energy by developing an appraisal and credit system in the farm management program. In 1951 you joined the Northwestern Mutual Life Insurance Company, where you extended your endeavors in farm investment and finance. Through your imaginative and progressive leadership, you have become president of this seventh largest life insurance company in America. You have also given your enthusiasm and influence to important community projects in the Milwaukee area, and you have served your alma mater with distinction in many capacities, including your present membership on our Alumni Association's Executive Board. Because of the credit which you have brought to yourself and this institution, and the valuable contributions you have made to the economic and civic welfare of your fellow citizens, Michigan State University is pleased to award you the degree of Doctor of Laws.



## HONORARY DEGREES

VERNON E. JORDAN, JR.

In your relatively brief career as a lawyer and articulate spokesman on public issues, you have occupied key positions in major organizations influencing the course of social change. Many of the dramatic episodes of racial progress in recent years have been initiated or brought to fulfillment by your dedicated and often courageous personal involvement. While practicing law in Arkansas and Georgia you showed exemplary leadership in planning and administering civil rights programs which greatly enlarged the ranks of black voters. Through these endeavors, and as executive director of both the National Urban League and the United Negro College Fund, you have confirmed the late Whitney Young's description of you as "a man of vision and a man of action." Your sincere concern for the common man of whatever race or nationality is evident in your active participation in the 1966 White House Conference on Civil Rights and in the important work of such organizations as Common Cause and the New World Federation. Because of your outstanding record in legal affairs and social reform, and for the spirit of hope and determination which has marked your distinguished achievements toward human rights, Michigan State University is pleased to grant you the degree of Doctor of Laws.

WILLIAM W. KEELER

During your four decades with the Phillips Petroleum Company, of which you are now the Chairman and Chief Executive Officer, you have acquired a widespread reputation as an engineer and a business executive of unusual energy and vision. Through all those years you have also shown a zeal and idealism of another and equally valuable kind, perhaps as a part of your Indian heritage: a faithful devotion to the educational and cultural advancement of America's Indian population. Your creative leadership has brought you many honors, including your election as Chairman of the Board of Directors of the National Association of Manufacturers. And because of your outstanding work on behalf of the Indian's welfare, you were appointed Principal Chief of the Cherokees. Your unselfish labor on behalf of your fellow citizens includes service with the War on Poverty Program as a member of the National Advisory Council on Economic Opportunity, and the White House Youth Conference. In recognition of your valuable contributions to the nation's industrial progress, and your dedication to advancing the social and economic well being of our Indian people, Michigan State University is pleased to grant you the degree of Doctor of Laws.

# THE CANDIDATES FOR DEGREES

## 1972 CLASS ROSTER

This includes the names of candidates for degrees for March, 1972.

Candidates are listed by School for Advanced Graduate Studies and by colleges. The colleges are arranged in the order in which they were established.



# SCHOOL FOR ADVANCED GRADUATE STUDIES

MILTON E. MUELDER, DEAN

## CANDIDATES FOR THE DOCTORAL DEGREE

JOSEPH SALVATORE ABBATE, Ph.D.

A.B., M.S., Rutgers University.  
Biochemistry. Major Professor: Fritz M. Rottman, Associate Professor.  
Thesis: The Determination of 2'-O-Methylation in RNA.

MICHAEL HOWARD ABKIN, Ph.D.

B.A., University of California.  
Systems Science. Major Professor: Thomas J. Manetsch, Associate Professor.  
Thesis: Policy Making for Economic Development: A System Simulation Model of the Agricultural Economy of Southern Nigeria.

PHILIP WILLIAM ALLEN, Ph.D.

B.E.E., Rensselaer Polytechnic Institute; M.S., San Diego State College.  
Electrical Engineering. Major Professor: Richard C. Dubes, Professor.  
Thesis: A Zero-Memory Nonlinear Filter for Signal Detection.

TERRANCE AL ALMQUIST, Ph.D.

B.A., North Park College; M.A., Michigan State University.  
Education. Major Professor: James H. Nelson, Professor.  
Thesis: An Evaluative Study of the Academic Performance of Students Enrolled in the Educational and Cultural Development Program at Macomb County Community College.

GARY LOUIS APPEL, Ph.D.

B.A., University of Wisconsin; M.B.A., Arizona State University.  
Economics. Major Professor: Charles P. Larowe, Professor.  
Thesis: Effects of a Financial Incentive on AFDC Employment — Michigan's Experience Between July 1969 and July 1970.

KARL ASMUS, Ph.D.

B.S., University of Illinois; M.A., Michigan State University.  
Economics. Major Professor: James B. Ramsey, Associate Professor.  
Thesis: The Choice of an Optimal Consumer Planning Horizon.



## SCHOOL FOR ADVANCED GRADUATE STUDIES

### CANDIDATES FOR THE DOCTORAL DEGREE (Continued)

ROBERT SCOTT AVERBACK, Ph.D.

B.S., Dickinson College.  
Physics. Major Professor: Jack Bass, Associate Professor.  
Thesis: The Magnetothermoelectric Effect in Aluminum, Aluminum Alloys, Indium, and Lead.

JERRY NELSON BLACK, Ph.D.

B.S., West Virginia Wesleyan College.  
Chemistry. Major Professor: William C. McHarris, Professor.  
Thesis: Nuclear Spectroscopic Studies of Short-Lived Neutron-Deficient Species in the  $f_{7/2}$ -Shell Region.

JAMES CARLISLE BLOSSER, Ph.D.

B.A., Indiana University.  
Biochemistry. Major Professor: William W. Wells, Professor.  
Thesis: Studies on the Turnover of Protein, Glycoprotein and Gangliosides in the Brains of Galactose Intoxicated Chicks.

JOHN BOCK, Ph.D.

B.A., M.Ed., University of Manitoba.  
Education. Major Professor: Charles V. Mange, Professor.  
Thesis: Reading Performance of Visually Impaired Print Readers Using Standard Print, Large Print and Magnification.

GEORGE JOHN BOUGHTON, Ph.D.

B.A., M.A., Michigan State University.  
History. Major Professor: Arthur E. Adams, Professor.  
Thesis: Soviet-Cuban Relations: 1956-1962.

DELORES MAUREEN BOWERS, Ph.D.

B.S., Adrian College; M.S., Michigan State University.  
Chemistry. Major Professor: Alexander I. Popov, Professor.  
Thesis: Complex Compounds of 1,5-Dimethyltetrazole and of the 1-Methyl Derivatives of Diazoles and Triazoles.

JAMES STANFORD BRADSHAW, Ph.D.

B.A., M.A., University of Michigan.  
History. Major Professor: Warren I. Cohen, Professor.  
Thesis: The "Lost" Conference: The Economic Issue in United States-Latin American Relations, 1945-1957.

HUGH P. BRADY, Ph.D.

B.A., University of Southern California; M.S., University of California.  
Education. Major Professor: W. Henry Kennedy, Professor.  
Thesis: A Comparison of the Student Teaching Experience of Michigan State University Student Teachers Assigned to Overseas American Schools with that of Michigan State University Student Teachers Assigned to Public Schools in Michigan.

## SCHOOL FOR ADVANCED GRADUATE STUDIES

### CANDIDATES FOR THE DOCTORAL DEGREE (Continued)

LORIN WAYNE BROWNING, Ph.D.

B.A., Louisiana College; M.A., Louisiana State University.  
Philosophy. Major Professor: D. F. Koch, Assistant Professor.  
Thesis: The Open Question Argument in Moore and Hare.

BRUCE PALMER BURNS, Ph.D.

B.A., College of Wooster; M.A., Michigan State University.  
Psychology. Major Professor: Joseph Reyher, Professor.  
Thesis: The Activation of Posthypnotic Conflict via Free Imagery: A Study of Repression and Psychopathology.

DONALD WILLIAM BURNS, Ph.D.

B.S., Western Michigan University; M.A., Ed.S., University of Michigan.  
Education. Major Professor: Louis G. Romano, Professor.  
Thesis: An Investigation of Selected Factors That May Influence Pupil Achievement in Michigan Schools.

JEAN PAUL CAMPAGNA, Ph.D.

B.F.Sc., M.S., Laval University.  
Forestry. Major Professor: Donald P. White, Professor.  
Thesis: Effects of Nursery Soil Fumigation on Growth and Phosphorus Nutrition of Pine and Spruce Seedlings.

DONALD L. CAPONE, Ph.D.

B.A., New York University; M.A., Michigan State University.  
Geography. Major Professor: John M. Hunter, Professor.  
Thesis: Wildlife, Man and Competition for Land in Kenya: A Geographical Analysis.

Ji HSHIUNG CHEN, Ph.D.

B.S.V.M., National Taiwan University; M.S., University of Florida.  
Microbiology and Public Health. Major Professor: B. R. Burmester, Professor.  
Thesis: Determination of the Structural Proteins and Antigenic Analysis of Marek's Disease Virus.

JING SHYONG CHEN, Ph.D.

B.Sc., Cheng-Kung University; M.A., Western Michigan University.  
Chemistry. Major Professor: Frederick H. Horne, Associate Professor.  
Thesis: Nonequilibrium Thermodynamic Theory of Transport in Membranes.

BIN-LUH CHENG, Ph.D.

B.S., National Taiwan University; M.S., National Chiao Tung University.  
Electrical Engineering. Major Professor: Bong Ho, Associate Professor.  
Thesis: Carrier Wave Interaction in Solids.



## SCHOOL FOR ADVANCED GRADUATE STUDIES

### CANDIDATES FOR THE DOCTORAL DEGREE (Continued)

- CLIFFORD CHI-FONG CHOU, Ph.D.      B.S., M.S., National Taiwan University.  
Mechanics. Major Professor: George E. Mase, Professor.  
Thesis: A Study of the Dynamic Response of an Infinite Elastic Plate Subjected to a Steadily Moving Transverse Force.
- WAYNE HOWARD CLIFFORD, Ph.D.      B.S., M.S., Michigan State University.  
Chemical Engineering. Major Professor: George A. Coulman, Associate Professor.  
Thesis: Simulation and Open-Loop Control of a Cocurrent Dryer.
- WILLIAM RAYMOND CUMMINS, Ph.D.      B.S., McMaster University.  
Botany and Plant Pathology. Major Professor: J. Kende Hans, Professor.  
Thesis: On the Stomatal Response to Absciscic Acid.
- NGUYEN CAO DAM, Ph.D.      L.Sc., Faculty of Science of Saigon; M.S., Michigan State University.  
Mathematics. Major Professor: Joseph Adney, Professor.  
Thesis: Some Solvable Subgroups of the Outer Automorphism Group of a Finite Group.
- DAFROSA ARGANOSA DEL ROSARIO, Ph.D.      B.S., M.S., University of the Philippines.  
Horticulture. Major Professor: A. R. Putnam, Associate Professor.  
Thesis: Enhancement of Phenylurea Herbicide Activity with Carbaryl and Diazinon.
- ERIC ALEXANDER DOUNCE, Ph.D.      B.S., Syracuse University; M.S., Michigan State University.  
Electrical Engineering. Major Professors: P. David Fisher, Assistant Professor; Charles R. Gruhn, Professor.  
Thesis: Dynamics of Lithium in Germanium and Compensated Silicon.
- ADAN ALBERTO EFFIO LEON, Ph.D.      Diploma, Universidad San Marcos.  
Chemistry. Major Professor: G. J. Karabatsos, Professor.  
Thesis: Secondary  $\beta$  and  $\gamma$  Deuterium Isotope Effects in the Solvolyses of Isobutyryl and Pivaloyl Chlorides.
- JEAN ELLICKSON, Ph.D.      B.A., The Ohio State University; M.A., University of Michigan.  
Anthropology. Major Professor: Ralph W. Nicholas, Professor.  
Thesis: A Believer Among Believers: The Religious Beliefs, Practices and Meanings in a Village in Bangladesh.
- DONALD EUGENE ELSON, Ph.D.      B.S., M.S., Kansas State University.  
Education. Major Professor: Raymond Garner, Professor.  
Thesis: An Evaluation of the Landscape and Nursery Technician Program at Michigan State University.



## SCHOOL FOR ADVANCED GRADUATE STUDIES

### CANDIDATES FOR THE DOCTORAL DEGREE (Continued)

EVERETT RAYMOND EMINO, Ph.D.

B.S., University of Massachusetts; M.S., Michigan State University.  
Horticulture. Major Professor: H. P. Rasmussen, Associate Professor.  
Thesis: A Histochemical and Morphological Study of Flower Initiation  
in the Chabaud Type Carnation (*Dianthus caryophyllus* L.)

THOMAS EDWARD EVANS, Ph.D.

B.A., M.A., Michigan State University.  
Psychology. Major Professor: M. Ray Denny, Professor.  
Thesis: A Comparison of the Effects of Pre-stimulus Instructions and  
Post-stimulus Instructions for Recognition and Recall Upon the Im-  
mediate and Long-Term Retention of Unfamiliar Visual Information.

DAVID F. FETYKO, Ph.D.

B.B.A., St. Norbert College; M.B.A., University of Denver.  
Business Administration (Accounting). Major Professor: Henry L.  
Tosi, Associate Professor.  
Thesis: An Analysis of Needs, Job Satisfaction, and Turnover in Pub-  
lic Accounting Firms.

ROBERT ALAN FLES, Ph.D.

A.B., Calvin College; M.A., Michigan State University.  
English. Major Professor: E. Fred Carlisle, Associate Professor.  
Thesis: Round the Steep Air: Visual and Kinesthetic Imagery in the  
Poetry of Emily Dickinson.

GENE WALTER FRANKS, Ph.D.

B.S., Western Michigan University; M.A., University of Michigan.  
Education. Major Professor: William V. Hicks, Professor.  
Thesis: A Descriptive Study of Certain Personality Differences and  
Teacher Satisfaction Among Teachers in Economically Distressed  
Schools.

GARY FLOYD GERARD, Ph.D.

B.S., Pennsylvania State University.  
Biochemistry. Major Professor: John A. Boezi, Professor.  
Thesis: Deoxyribonucleic Acid — Dependent Ribonucleic Acid Poly-  
merase of *Pseudomonas putida*: Studies on the Mechanism of Action.

JEROD LOUIS GOLDSTEIN, Ph.D.

B.A., Trenton State College; M.S., Pennsylvania State University.  
Audiology and Speech Sciences. Major Professor: Oscar I. Tosi, Pro-  
fessor.  
Thesis: The Effects of Speaker, Training and Transducer on the Rec-  
ognition of Tactile Differences in Combined Speech Sounds.

CHARLES DOUGLAS GRAVES, Ph.D.

B.S., West Chester State College; M.S., Indiana University.  
Music. Major Professor: Hans Nathan, Professor.  
Thesis: The Theoretical and Practical Method for Cello by Michel  
Corrette: Translation, Commentary, and Comparison with Seven Other  
18th Century Cello Methods.

## SCHOOL FOR ADVANCED GRADUATE STUDIES

### CANDIDATES FOR THE DOCTORAL DEGREE (Continued)

- GEORGE VLADIMIR GREBENSCHIKOV, Ph.D. B.A., University of Montreal; M.A., Michigan State University. Russian, Language and Literature. Major Professor: Denis Mickiewicz, Assistant Professor.  
Thesis: Ivan Efremov's Theory of Soviet Science Fiction.
- WILLIAM HENRY L'VELL GREENE, Ph.D. B.A., Johnson C. Smith University; M.A., Michigan State University. Education. Major Professor: Samuel A. Corl, Assistant Professor.  
Thesis: An Assessment of Attitudinal Change as a Result of Two Models of Preparing Teachers for Inner-City Schools.
- ERNST CLARK GRIFFIN, Ph.D. A.B., San Diego State College; M.A., University of Denver. Geography. Major Professor: Clarence Minkel, Professor.  
Thesis: Agricultural Land Use in Uruguay.
- LESTER EDWARD HEITGER, Ph.D. B.S.B., The Ohio State University; M.S.B., Denver University. Business Administration (Accounting). Major Professor: Gardner M. Jones, Professor.  
Thesis: Criteria for Transfer Pricing of Data Processing Services within Business Firms.
- GEORGE R. HILDENBRANDT, Ph.D. B.S., University of Nebraska. Biochemistry. Major Professor: Loran L. Bieber, Associate Professor.  
Thesis: Studies on a Housefly Phosphodiesterase Acting on Various Biological Glycerophosphodiesterases.
- ARNOLD GRAY HOLDEN, Ph.D. B.A., Union College; M.A., Michigan State University. Sociology. Major Professor: Frederick B. Waisanen, Professor.  
Thesis: The Process of Individual Modernization: A Path Model.
- JOHN F. HOLLAND, Ph.D. B.A., Macalester College; B.S., St. Cloud State College; M.S., University of Wisconsin. Chemistry. Major Professor: Andrew Timnick, Professor.  
Thesis: A Unique Computer-Centered Instrument System for Simultaneous Absorbance and Fluorescence Measurements.
- CHARLES CURTIS HOLLEN, Ph.D. B.A., M.A., Michigan State University. Psychology. Major Professor: Milton Rokeach, Professor.  
Thesis: Value Change, Perceived Instrumentality, and Attitude Change.
- MURRAY EDWIN HOPPING, Ph.D. B.S., M.A., Massey University. Horticulture. Major Professor: M. J. Bukovac, Professor.  
Thesis: Isolation, Characterization and Role of Endogenous Auxins and Cytokinins in Sour Cherry (*Prunus cerasus* L. cv Montmorency) Fruit Development.



## SCHOOL FOR ADVANCED GRADUATE STUDIES

### CANDIDATES FOR THE DOCTORAL DEGREE (Continued)

RICHARD H. HOWELL, Ph.D.

B.A., M.A., Miami University.  
Physics. Major Professor: Aaron Galonsky, Professor.  
Thesis: Proton Spin Flip Probability in Inelastic Scattering on  $^{120}\text{Sn}$  and  $^{124}\text{Sn}$  at 30 MeV.

ROBERT MICHAEL HOWEY, Ph.D.

B.A., M.A., Michigan State University.  
Education. Major Professor: Marvin E. Grandstaff, Associate Professor.  
Thesis: Reason Conceived as Repression: An Examination of the Philosophy of Norman O. Brown.

RONALD JOHN HUNADY, Ph.D.

B.S., M.B.A., Bowling Green State University.  
Business Administration (Management). Major Professor: Henry L. Tosi, Associate Professor.  
Thesis: Organizational Values, Structure and Technology.

JAMES DAVIS INGLE, JR., Ph.D.

B.S., University of Illinois.  
Chemistry. Major Professor: Stanley R. Crouch, Assistant Professor.  
Thesis: Theoretical and Experimental Considerations for Analytical Rate Measurements.

SARA ERB INGLE, Ph.D.

B.S., Denison University.  
Chemistry. Major Professor: Frederick H. Horne, Associate Professor.  
Thesis: Rational and Practical Nonequilibrium Thermodynamics.

DONALD LEE INMAN, Ph.D.

B.S., Oakland University; M.S., Michigan State University.  
Fisheries and Wildlife. Major Professor: George A. Petrides, Professor.  
Thesis:  $^{51}\text{CrCl}_3$  Mobility and Cellulose Digestion in Three Gallina-ceous Species.

MARTHA ANN JACOB, O.S.U., Ph.D.

B.A., St. Mary-of-the-Woods College; M.A., Indiana University.  
Communication. Major Professor: Richard V. Farace, Associate Professor.  
Thesis: The Structure and Functions of Internal Communication in Three Religious Communities.

DUNCAN R. JAMIESON, Ph.D.

A.B., Defiance College; M.A., Toledo University.  
History. Major Professor: Douglas T. Miller, Associate Professor.  
Thesis: Towards a Cleaner New York: John H. Griscom and New York's Public Health, 1830-1870.

## SCHOOL FOR ADVANCED GRADUATE STUDIES

### CANDIDATES FOR THE DOCTORAL DEGREE (Continued)

JAMES MAXWELL JENNINGS, Ph.D.

B.S., M.A., Western Michigan University.  
Education. Major Professor: Richard L. Featherstone, Professor.  
Thesis: The Elementary School Principalship in Michigan.

PUTTI M. JOSEPH, Ph.D.

B.S., St. Xavier's College; M.B.A., Suffolk University.  
Business Administration (Management). Major Professor: Richard F. Gonzalez, Professor.  
Thesis: A Cross-Cultural Comparison of Attitudes and Practices of Managers: India and the United States.

RODNEY HOWARD JOSEPH, Ph.D.

B.A., City College of New York; M.A., Michigan State University.  
History. Major Professor: Frederick D. Williams, Professor.  
Thesis: The Michigan Press and the Coming of the Civil War, 1859-1861: A Study of Editorial Opinion.

SURINDER KAPUR, Ph.D.

B.S., M.S., Michigan State University.  
Mechanical Engineering. Major Professors: Merle C. Potter, Associate Professor; Mahlon C. Smith, Associate Professor.  
Thesis: The Effect of Heat Transfer on the Laminar Boundary Layer and Laminar Separation of Water Flowing Past a Flat Plate and a Sphere.

MEHDI KERMANI, Ph.D.

B.S., Tehran University; M.S., Michigan Technological University.  
Electrical Engineering. Major Professor: Robert O. Barr, Associate Professor.  
Thesis: Computation of Optimal Controls for Linear Systems with Control Outage.

DHARAM CHAND KHATRI, Ph.D.

B.S., University of Jabalpur; M.S., University of Saugar.  
Mathematics. Major Professor: I. Sinha, Associate Professor.  
Thesis: Relative Projectivity and Radicals in Modular Group Algebras.

PAUL CHARLES KILLGOAR, JR., Ph.D.

B.A., Bridgewater State College.  
Chemistry. Major Professor: George E. Leroi, Associate Professor.  
Thesis: Photoionization Mass Spectrometry: A Study of NO<sub>2</sub> and NO.

STEWART WILLIAM KINDE, Ph.D.

B.A., M.A., Central Michigan University.  
Education. Major Professor: Charles V. Mange, Professor.  
Thesis: Conditioned Response Audiometry: A Clinical Technique and Instrumentation for Testing Exceptional Children.



## SCHOOL FOR ADVANCED GRADUATE STUDIES

### CANDIDATES FOR THE DOCTORAL DEGREE (Continued)

DENNIS EDWARD KNOX, Ph.D.

B.A., Greenville College; M.A., Harvard University.  
History. Major Professor: Donald N. Lammers, Associate Professor.  
Thesis: The Development of British Policy in Palestine, 1917-1925:  
Sir Gilbert Clayton and the "New Eastern Question."

JANVER DON KREHBIEL, Ph.D.

B.S., D.V.M., Kansas State University; M.S., Michigan State University.  
Pathology. Major Professor: Kenneth K. Keahey, Professor.  
Thesis: Pathology of Spontaneous Cataracts in Bobwhite Quail.

IVAR KRISTIANSUND, Ph.D.

B.S., Agriculture College of Norway; M.S., University of Oslo.  
Agricultural Economics. Major Professor: Lester V. Manderscheid,  
Professor.  
Thesis: Analysis of Intraseasonal Potato Price Movements.

EDDY LORAIN LA DUE, Ph.D.

B.A., M.A., Cornell University.  
Agricultural Economics. Major Professor: Warren H. Vincent, Pro-  
fessor.  
Thesis: A Computerized Farm Business Simulator for Research and  
Farm Planning.

ROBERT WILLIAM LAZA, Ph.D.

B.S., M.S., Michigan State University.  
Civil Engineering. Major Professor: Orlando B. Andersland, Professor.  
Thesis: Permeability and Shear Strength of Dewatered High Ash  
Content Pulp and Papermill Sludges.

CARL J. MAGGIORE, Ph.D.

B.S., Creighton University; M.S., Michigan State University.  
Physics. Major Professor: Charles R. Gruhn, Professor.  
Thesis: Inelastic Proton Scattering from  $^{48}\text{Ca}$ .

PERRY JOHN MANOR, Ph.D.

B.S., Wisconsin State University.  
Chemistry. Major Professor: Richard H. Schwendeman, Professor.  
Thesis: Studies in Microwave Spectroscopy: 1. Dipole Moment of  
Glycidaldehyde. 2. Rotational Relaxation in Carbonyl Sulfide and  
Ammonia.

SAMIR ABDEL-LATIF ALY MANSY, Ph.D.

B.S., M.S., Alexandria University.  
Biophysics. Major Professor: Barnett Rosenberg, Professor.  
Thesis: The Interaction of the *cis*- and *trans*-Dichloro-diammineplati-  
num(II) Coordination Complexes with DNA and Its Components in  
Vitro.

# SCHOOL FOR ADVANCED GRADUATE STUDIES

## CANDIDATES FOR THE DOCTORAL DEGREE (Continued)

VICTORIA MARCARIAN, Ph.D.

A.B., Temple University; M.S., Michigan State University.  
Crop Science. Major Professor: F. C. Elliott, Professor.  
Thesis: Characterization of Certain Negative Components Limiting Nutritional Efficiency From Alfalfa.

EDWARD HOWARD McDONALD, Ph.D.

B.S.Ed., Boston State College; M.Ed., Boston College.  
Education. Major Professor: Charles E. Henley, Associate Professor.  
Thesis: An Exploratory Study of the Activities, Experiences and Elements Included in Secondary Level Cooperative Agreement Programs for the Handicapped in the State of Michigan.

MEREDITH JOHNSON MEAD, Ph.D.

B.S., Central Michigan University; M.A., Michigan State University.  
Family Ecology. Major Professors: Norma Bobbitt, Assistant Professor; Beatrice Paolucci, Professor.  
Thesis: The Relationship Between Expressed Attitudes and Observed Behaviors of Mothers of Preschool Hearing-Impaired Children.

JOHN SANFORD MICKELSON, Ph.D.

B.B.A., M.S., Wichita State University.  
Communication. Major Professor: Gerald R. Miller, Professor.  
Thesis: Message Organization and Information: A Study in the Measurement of Human Information Processing.

ROBERT DON MOON, JR., Ph.D.

B.A., Pacific Union College; M.A., Michigan State University.  
Education. Major Professor: William J. Walsh, Professor.  
Thesis: An Evaluation of the Indexing Methods Employed in a Computerized Information System Used in the Area of Special Education.

RICHARD D. NELSON, Ph.D.

B.S., West Virginia State College; M.S., Michigan State University.  
Physics. Major Professor: William M. Hartmann, Associate Professor.  
Thesis: Vibrational Properties of Impure Quantum Crystals.

WILLIAM NOEL NICHOLSON, Ph.D.

A.B., Wittenberg University; B.D., Lutheran Theological Seminary.  
Education. Major Professor: John E. Jordan, Professor.  
Thesis: A Guttman Facet Analysis of Attitude-Behaviors Toward Drug Users by Heroin Addicts and Mental Health Therapists.

ROBERT EDWARD OTIS, Ph.D.

B.A., Western Washington State College; M.A., Michigan State University.  
Psychology. Major Professor: Stanley C. Ratner, Professor.  
Thesis: Social Organization in the Japanese Quail (*Coturnix coturnix japonica*): Appetitive and Consummatory Components.



## SCHOOL FOR ADVANCED GRADUATE STUDIES

### CANDIDATES FOR THE DOCTORAL DEGREE (Continued)

†LINDA PALMER, Ph.D.

A.B., Hunter College; M.A., Middlebury College; D.S.E.F.H., University of Paris.  
French, Language and Literature. Major Professor: Anne Harrison, Associate Professor.  
Thesis: Rutebeuf, Performer-Poet.

JOHN MATHEW PALOORTHEKKATHIL, Ph.D.

B.S., India College of Engineering; M.S., Michigan State University. Civil Engineering. Major Professor: Orlando B. Andersland, Professor.  
Thesis: Consolidation Behavior of High Ash Pulp and Papermill Sludges.

PRAFULLA KUMAR PANI, Ph.D.

B.V.S., Bihar Veterinary College; M.S., Michigan State University. Poultry Science. Major Professor: Theo H. Coleman, Professor.  
Thesis: Selection in Broilers for Tolerance to Growth Depressants in Raw Soybeans.

UMA GANESAN PARAMESWARAN, Ph.D.

A.B., Mahakoshal Mahavidyalaya; A.M., Hislop College; A.M., Indiana University.  
English. Major Professor: C. David Mead, Professor.  
Thesis: A Study of Representative Indo-English Novelists.

ORAL EUGENE PARKS, Ph.D.

B.A., Texas Technological University; M.A., Michigan State University. Political Science. Major Professor: Rufus P. Browning, Associate Professor.  
Thesis: An analysis of Net Deviation Voting.

YVON PEPIN, Ph.D.

B.A., M.A., Laval University.  
Psychology. Major Professor: Jeanne E. Gullahorn, Associate Professor.  
Thesis: The Effects of Creativity, Intelligence and Communicator Expertise on Conformity.

GEORGE RUSSELL PERKINS, Ph.D.

B.S., M.S., Southern Illinois University.  
Agricultural Economics. Major Professor: Lester V. Manderscheid, Professor.  
Thesis: Attaining the Long Run Minimum Cost Reorganization of the Michigan Fertilizer Industry.

WILLIAM DAVID PETERSON, Ph.D.

B.A., Wheaton College; M.A., Michigan State University. Education. Major Professor: Walter F. Johnson, Professor.  
Thesis: A Study of Incidents Having an Impact on the Effectiveness of New and Experienced Presidents of Selected Colleges and Universities in the Midwest.

† Posthumously

# SCHOOL FOR ADVANCED GRADUATE STUDIES

## CANDIDATES FOR THE DOCTORAL DEGREE (Continued)

MY LINH PHAN, Ph.D.

Es-Science, University of Cantho.  
Education. Major Professor: T. Wayne Taylor, Professor.  
Thesis: Proposal for a Model Program of Science Teacher Education in Vietnam.

JEAN-PIERRE PONCHIE, Ph.D.

B.A., Wayne State University; M.A., University of Michigan.  
French, Language and Literature. Major Professor: Joseph I. Donohoe, Associate Professor.  
Thesis: De La Sensibilité de Quelques Personnages Féminins de Molière.

VISHARN POOPATH, Ph.D.

B.S., Chulalongkorn University; M.S., Michigan State University.  
Civil Engineering. Major Professor: Roy R. Goughnour, Associate Professor.  
Thesis: Elasto-plastic Incremental Approach in Slope Stability Analysis.

SIVARAMAN RAGHU, Ph.D.

B.S., M.S., Delhi University.  
Chemistry. Major Professor: Donald G. Farnum, Associate Professor.  
Thesis: Synthetic Approaches to Truncated Tetrahedrane and Other (CH)<sub>12</sub> Hydrocarbons.

VASUDEVA ANANDA RAO, Ph.D.

B.S., University of Madras; M.S., Michigan State University.  
Computer Science. Major Professor: Bernhard L. Weinberg, Assistant Professor.  
Thesis: A Multimodal Distribution Based Clustering Algorithm.

MILAN JAN REBAN, Ph.D.

B.A., University of Miami; M.A., Vanderbilt University.  
Political Science. Major Professor: Baljit Singh, Professor.  
Thesis: Czechoslovakia in 1968: Some Aspects of Pluralism and Change.

PETER GEORGE RENSTROM, Ph.D.

B.A., Macalester College; M.A., Michigan State University.  
Political Science. Major Professor: Harold J. Spaeth, Professor.  
Thesis: The Dimensionality of Decision Making of the 1941-1945 Stone Court: A Computer Dependent Analysis of Supreme Court Behavior.

MILTON DALE RHOADS, Ed.D.

B.S., Central Michigan University; M.A., Michigan State University.  
Education. Major Professor: Robert O. Nolan, Professor.  
Thesis: A Comparison of Driving Records of Oklahoma Driving Instructors and the Subsequent Driving Records of Their Students.



## SCHOOL FOR ADVANCED GRADUATE STUDIES

### CANDIDATES FOR THE DOCTORAL DEGREE (Continued)

- WILLIAM GUST RUESINK, Ph.D. B.S., M.S., Michigan State University.  
Entomology. Major Professor: Dean L. Haynes, Associate Professor.  
Thesis: The Integration of Adult Survival and Dispersal Into a Mathematical Model for the Abundance of the Cereal Leaf Beetle, *Oulema melanopus* (L).
- FELIPE RUIZ, Ph.D. B.A., Universidad de Madrid; M.A., Brandeis University.  
Statistics. Major Professor: Esther Seiden, Professor.  
Thesis: Contributions to Construction of Generalized Youden Design. On Construction Orthogonal Latin Squares Using the Method of Sum Composition.
- JAMES EDWARD SARGENT, Ph.D. B.S., Eastern Michigan University; M.A., Michigan State University.  
History. Major Professor: Madison Kuhn, Professor.  
Thesis: The Hundred Days: Franklin D. Roosevelt in the Early New Deal, 1933.
- LARRY EUGENE SCHAFER, Ph.D. B.S., M.S., Illinois State University.  
Education. Major Professor: Joe L. Byers, Professor.  
Thesis: Inducing Stage III Seriation Capabilities in Kindergarten Children through Cue Fading and Reinforcement.
- DALE LEE SCHEUSNER, Ph.D. B.S., South Dakota State University; M.S., North Carolina State University.  
Food Science. Major Professor: Laurence G. Harmon, Professor.  
Thesis: Effect of Temperature and pH on Production of Staphylococcal Enterotoxin in Brain Heart Infusion Broth and in Food.
- GEORGE ROBERT SCHNECK, Ph.D. B.S., Lawrence College; A.M., University of Michigan.  
Education. Major Professor: John M. Mason, Professor.  
Thesis: An Investigation of Visitation Experiences in an Education Program for Prospective Elementary Teachers.
- LELAND R. SCHWEITZER, Ph.D. B.S., M.S., Oregon State University.  
Crop Science. Major Professor: Lawrence O. Copeland, Assistant Professor.  
Thesis: Reduction in Seedling Vigor and Changes in Metabolism During Germination Related to Mechanical Abuse of Bean (*Phaseolus Vulgaris* L.) Seed.
- ARNDT SEIFERT, Ph.D. B.A., Washington State University; M.A., Michigan State University.  
Economics. Major Professor: Paul Strassmann, Professor.  
Thesis: The Time Price System—Its Application to the Measurement of Primary Outdoor Recreation Benefits.
- BALKUMAR PRATAPRAI SHAH, Ph.D. B.S., Fergusson College; M.S., Karnatak University; M.S., Michigan State University.  
Geology. Major Professor: James W. Trow, Professor.  
Thesis: Evaluation of Natural Aggregates in Kalamazoo County and Vicinity Michigan.

## SCHOOL FOR ADVANCED GRADUATE STUDIES

### CANDIDATES FOR THE DOCTORAL DEGREE (Continued)

KUK BOM SHIN, Ph.D.

B.A., Yonsie University.  
Education. Major Professor: Richard L. Featherstone, Professor.  
Thesis: The Post Graduation Residency Plans of Korean Students Attending Selected Universities in Michigan.

JOHN WADE STAFFORD, Ph.D.

B.S., M.S., Indiana University; M.A., Kent State University.  
Geography. Major Professor: Daniel Jacobson, Professor.  
Thesis: Crow Culture Change: A Geographical Analysis.

PAUL WEIR STIFFLER, Ph.D.

B.A., M.A., Bowling Green State University.  
Microbiology and Public Health. Major Professor: Delbert E. Schoenhard, Professor.  
Thesis: Genetic and Physical Properties of F77 in *Salmonella pullorum* MS35.

PETER WILFRED STINE, Ph.D.

A.B., Asbury College; M.A., Northwestern University.  
English. Major Professor: Elwood P. Lawrence, Professor.  
Thesis: The Changing Image of Mary Queen of Scots in Nineteenth Century British Literature.

TIMOTHY GERARD SULLIVAN, Ph.D.

B.S., Fordham University.  
Business Administration (Finance). Major Professor: Alan E. Grunewald, Professor.  
Thesis: Market Power, Profitability and Financial Leverage.

JAMES E. THOMPSON, Ph.D.

B.S., M.S., Eastern Illinois University.  
Education. Major Professor: Elwood E. Miller, Associate Professor.  
Thesis: Guidelines Developed from a Comparative Investigation of Four College of Education Instructional Resource Centers.

NGUYEN VAN THUY, Ph.D.

License Ès-Sciences, Diplome d'Études Supérieures des Sciences Naturelles, Université de Saigon; M.S., Michigan State University.  
Education. Major Professor: Vandel C. Johnson, Professor.  
Thesis: Proposal for a Modern Core Curriculum for the First Two Undergraduate Years in Institutions of Higher Education in Vietnam.

HERBERT JOEL WEINRAUB, Ph.D.

B.S., Northeastern University; M.B.A., Michigan State University.  
Business Administration (Finance). Major Professor: Alan Grunewald, Professor.  
Thesis: Warrant Valuation in Rational Security Markets.

EARL EDWARD WERNER, Ph.D.

B.A., Columbia University.  
Zoology. Major Professor: William E. Cooper, Associate Professor.  
Thesis: On the Breadth of Diet in Fishes.

PATRICIA ANN WERNER, Ph.D.

B.S., Bob Jones University; M.S., Michigan State University.  
Botany and Plant Pathology. Major Professor: Stephen N. Stephenson, Assistant Professor.  
Thesis: Effect of the Invasion of *Dipsacus sylvestris* on Plant Communities in Early Old-Field Succession.



## SCHOOL FOR ADVANCED GRADUATE STUDIES

### CANDIDATES FOR THE DOCTORAL DEGREE (Continued)

- ROBERT PAUL WETTEMANN, Ph.D.      B.S., University of Connecticut; M.S., Michigan State University.  
Dairy. Major Professor: Harold D. Hafs, Professor.  
Thesis: Gonadotropin and Gonadal Hormones Associated with Fertilization and Embryogenesis in the Bovine.
- BERNARD DWIGHT WILDER, Ph.D.      B.A., State University of New York; M.A., Ball State University.  
Education. Major Professor: David K. Heenan, Professor.  
Thesis: An Examination of the Phenomenon of the Literacy Skills of Unschooled Males in Laos.
- RUEY JANG YU, Ph.D.      B.S., M.S., Taiwan Cheng Kung University.  
Electrical Engineering. Major Professor: P. David Fisher, Assistant Professor.  
Thesis: Electrical Switching Effects in Vanadium-Oxide Complexes.
- MOHAMED ISMAIL ZAHER, Ph.D.      B.A., Cairo University; G.D., Ain Shams University; M.A., Michigan State University.  
Education. Major Professor: Edgar A. Schuler, Professor.  
Thesis: An Investigation of Factors which are Associated with Enrollment and Non-Enrollment in Teacher Education Programs of Public Secondary Education in Saudi Arabia.

### CANDIDATES FOR EDUCATIONAL SPECIALIST DEGREES

- DAVID ARLO FULTZ, Ed.S.      B.S., M.A., Michigan State University.  
Education. Major Professor: James E. Green, Associate Professor.
- HERBERT A. JENSEN, Ed.S.      B.S., M.A.T., Michigan State University.  
Education. Major Professor: T. Wayne Taylor, Professor.
- OLIN JOHN MURDICK, Ed.S.      B.A., University of Michigan; M.S., Catholic University of America.  
Education. Major Professor: Walter W. Scott, Associate Professor.
- EDWARD JAMES REILLY, Ed.S.      B.A., M.A., University of Notre Dame.  
Education. Major Professor: Archibald B. Shaw, Professor.

# COLLEGE OF AGRICULTURE AND NATURAL RESOURCES

LAWRENCE L. BOGER, DEAN

DEGREE OF  
MASTER  
OF SCIENCE

## Agricultural Economics

Graham Anthony DeFreitas  
Upali Nanayakkara  
James Alexander Reidy

## Agricultural Mechanization

Leonard George Nowak  
Sharafeldin Mohamed Sherif  
Duane Wallace Thomforde

## Animal Husbandry

C. K. Allen  
Constantine Llewellyn  
Fenderson  
Daryl Ralph Strohbehn

## Biochemistry

Diana Ice Filner  
Mary Joyce Hallett

## Cooperative Extension

## Education

Gilbert Ashendorf  
Richard William Peterson

## Crop Science

Abubaker Murtada Maddur  
Songsuk Pasirakul  
Donald L. Wyse

## Dairy

Danny G. Britt  
Charles Lee Goeke

## Fisheries and Wildlife

Stanley Lewis Flegler  
Ronald Lowell Fobes  
John Paul Giesy  
Roger Braden Griffith  
James Edward Johnson  
Charles Henry Pecor  
David Roy Resenberger

## Food Science

Jamal Ayatollahi-Mehrdjardi  
Charles Wellington  
Goesbeck  
Charles Wesley Kraut  
Ranchanee Lautrakul  
Christos Elias Pantos  
Paul Kelly Wheeler

## Forestry

Soo Young Lee  
Lockman Mohamad Sirin

## Horticulture

Lyn Francis Bayer  
Giovanni Benvenuti  
Constantinos Dogras

Mohamed Ibrahim

El-Tamzini  
Douglas MacArthur Jones  
Michael James Taylor  
Joseph Dale Vodraska

## Packaging

James Douglas Hagen

## Poultry Science

Dennis LeRoy Dodson

## Resource Development

Edgerton Warren Bailey  
Price T. Banks  
Robert W. Dittick, Jr.  
Timothy Alan Hiltz  
Jumrush Intachaisri  
Jong Tswen Yu

## Soil Science

Mohamad Hasan Mansouri

DEGREE RECOMMENDED  
JOINTLY WITH THE  
COLLEGE OF ENGINEERING

## Agricultural Engineering

Ralph A. Gyax  
Sirous Haji-Djafari  
Glen Theron Hecht  
Stephen David Johnson

DEGREE OF  
BACHELOR  
OF SCIENCE

## Agricultural Business

\*James Frederick Schiller  
John Leslie Tillstrom

## Agricultural Communications

Robert Joseph Davis

\* With Honor

## Agricultural Economics

Joseph Lawrence Green  
Garth Hartley Holmquist  
John H. Paige  
Larry Lee Stauffer  
Robert Raymond Thurlow

## Agricultural Mechanization

Alan Alaga  
Ronald Earl Squires



# COLLEGE OF AGRICULTURE AND NATURAL RESOURCES

## DEGREE OF BACHELOR OF SCIENCE

### Animal Husbandry

Jeffrey Neal Dizik  
Robert Edward Grounds  
Richard C. Isles  
Dorinda Marie Miller  
\*\*Harland Darel Wood

### Building Construction

Harold Frederick Domke  
DeWayne Bruce Gregg  
Benny L. King  
Joel Michael Morden  
\*\*Dennis Alan Neely

### Dairy

David Fredric Gingell  
William B. Pettigrew  
\*Carl O. Seltz

### Fisheries and Wildlife

Lawrence DeBono  
Dean Geers  
James Edward Goudzwaard  
Robert Dale Hoffman  
Lawrence Saunders Robinson  
Richard William Samson  
Thomas Albert Shubut

### Food Science

H\*Kert F. Ivie  
Maria Cristina Zulueta

### Forestry

Calvin E. Bricker, Jr.  
\*\*Richard Keith Hamilton  
Michael John Hunt  
Aurelio Marzolo  
\*Henry Thomas Pence  
Robert John Rice  
\*\*Thomas Joseph Sadowski  
Michael Andrew Trowbridge

### Horticulture Science

John Maxmillian Smydra

### Packaging

Michael Allan Brick  
Ward Russell Cornish  
\*Christine A. DiMattia  
James Ronald Dziekan  
Robert Alwood Ellis  
Robert Charles Gurvin  
\*Michael Shannon Imbordino  
Glen Terry Kaneko  
\*James Allan Kozlowski  
John Henry Mitchell  
Ronald James Ouellet  
Edward Brent Rhyne  
Morris Leslie Rice  
\*\*Robert Haynes Shearin  
James Christopher Thorburn

### Park and Recreation

#### Resources

\*Celia Ann Denny  
Donald Charles Ellis  
\*\*William Charles Gibson  
Walter Rae Kepler  
John Wayne Longstreet  
Jonathon Lee Scott  
William Jon Thompson  
H\*\*Hilma Louise Volk  
George Richard Wheatley

### Poultry Science

David Laverne Eichler

### Resource Development

Loren Paul Ameen  
Dwight Allan Carmon  
John Patrick Cassidy  
Daniel Devere Peterson  
Jack Gordon Ruddick

### Soil Science

Arthur E.J. Hass

DEGREE RECOMMENDED  
JOINTLY WITH THE  
COLLEGE OF EDUCATION

### Dairy

Arlen Earl Bell

# COLLEGE OF ENGINEERING

LAWRENCE W. VON TERSCH, DEAN

DEGREE OF  
MASTER  
OF SCIENCE

## Chemical Engineering

Bakulesh Navranglal Shah

## Civil Engineering

Michael Eugene Foote  
Kishorchandra Jethalal  
Jethava  
Namik Kemal Kilic  
Daniel B. Ploger

## Computer Science

Richard Ramsey Moore

## Materials Science

John Alfred Blind  
Daniel George Devine

## Mechanical Engineering

Kenneth Roger Hamann

## Sanitary Engineering

Asad Quraishi

## Systems Science

John Hardeman Brinn  
Marcus Robert Buchner  
Altan Cöner  
Billy Joe McDaniel  
David Roger Ruddick

DEGREE OF  
BACHELOR  
OF SCIENCE

## Civil Engineering

\* Bruce Edward Bower  
\* William Charles Brown  
Kenneth Robert Cross  
Michael Eugene Foote  
Benjamin John Franklin  
Patrick Allen Gooch  
Wayne T. Gugel  
Charles Andrew Janiszewski  
William Kennedy  
Charles Leonard Kronk  
Thomas William Larder  
Mary Barbara Mangnuson  
\* Scott Melvin Miller  
Patrick William O'Rourke  
Philip Sanzica  
Robert Ernest Schmeling, II  
\* Douglas Jay Stalsonburg

## Computer Science

Brett Lee Bardo  
H\* Marian Elaine Burman

Bruce Clifford Johnston

\* William Eric Sperber  
Thomas Angelo Zambetis

## Electrical Engineering

\* Brian Goluska  
Keith Russell Haines  
Thomas Edward Mittelstaedt

## Mechanical Engineering

Michael Thomas Bergin  
Stephen David Brown  
Donald Edward Buckley  
\* Jerry Ray Johnson  
Michael M. Korten  
\* Michael Joseph Koryto  
Patrick Joseph Landis  
Thomas Edward Long  
Richard James Menge  
Robert Wilson Nichols  
Mark Donald Reed  
Lynn Kirk Tilly

## Metallurgy

H\* Bruce J. Makenas  
Daniel Lee Tolles

## Systems Science

H\* John Frederick Doyal  
H\* Guillermo Martinez  
David Carl Munding

DEGREE RECOMMENDED  
JOINTLY WITH THE  
COLLEGE OF AGRICULTURE  
AND NATURAL RESOURCES

## Agricultural Engineering

Gerald Leon Avery  
Gerhard Edmund Pickelmann

H Honors College  
\* With Honor  
\* \* With High Honor



# COLLEGE OF HUMAN ECOLOGY

ROBERT R. RICE, ACTING DEAN

DEGREE OF  
MASTER  
OF ARTS

Child Development

Judy D. Levine

Family Studies

Ruth Holt Prater

Home Economics Education

Carol Ruth Geer

Related Arts

Letty Ann Shapiro

Textiles and Clothing

In Ok Ahn

Elyse Jane Gebski

DEGREE OF  
MASTER  
OF SCIENCE

General Home Economics

Bong Ui Lee

Institution Administration

†Sally Ann Albrecht  
Sara M. Ching

DEGREE OF  
BACHELOR  
OF ARTS

Interior Design

Mary Jean Braak

\*Marilyn Corson

\*Sandra Jo Hunt

Arden L. Wykes

DEGREE OF  
BACHELOR  
OF SCIENCE

Community Services

Anne Margaret Adams

Sharon Louise Krupansky

Beverly Jane Samways

\*\*Kathleen Elaine Terry

Dietetics

Nance Lynn Angleberger

Foods

Ann Catherine Niemetta

General Clothing and Textiles

Janet Lynn Ankersen

Judith Diane Bates

Melissa Jean Brown

\*Marylou Buchan

\*Laura Jane Meisel

Anne E. Mills

Patricia Ann Tackaberry

General Home Economics

Natalie Moeckel Asquith

Lisa Eilene Cotter

\*Patricia Heenan

Kathleen Edna McGinn

Lois J. Miller

Mary Lou Wolf

\* With Honor  
\*\* With High Honor  
† Posthumously

# COLLEGE OF HUMAN ECOLOGY

## DEGREE OF BACHELOR OF SCIENCE

### Research in Foods and Nutrition

\*Eileen Frances McMahon

### Retailing of Textiles and Clothing

Susan Lee Damberg  
Justine Elizabeth Gudritz  
\*Gail Marie Lindstrom  
Margaret Louise Maczulski  
Cheryl Deneen McCauley

H\* \*Martha Emily Paterson  
Gayle K. Reinecke  
\*Virginia A. Schalon

H\* \*Sydney Sue Sutkus  
H\* \*Jennifer Jane Walkup

DEGREE RECOMMENDED  
JOINTLY WITH THE  
COLLEGE OF EDUCATION

### Child Development and Teaching

Greta Jane Boldt  
Wendy Risa Freedman  
Sharen Ann Furman

H\* \*Jo-Anne Catherine Kolodziej  
Mary Jo Martin  
\*Susan Marie McConnell

\*Kathleen Marie Nitz  
\*Susan Jean Spagnuolo  
Sharon Ann Viol

### Home Economics Teaching

\* \*Doreen Diane Barcelow  
Jacqueline Sue Blair  
\* \*Janet Mae Densmore  
Janice Louise Gaige  
Nancy Denise Jenks  
Kay Ellen Johnston  
Mary Lynn Saloman

\*Phyllis Ellen Turley  
H\* \*Linda Louise Van Dyke  
\*Linda Kaye Wells



# COLLEGE OF VETERINARY MEDICINE

WILLIS W. ARMISTEAD, DEAN

DEGREE OF  
BACHELOR  
OF SCIENCE

*Veterinary Medicine*

\*Linda Mary Aski  
\*Bernard Lance Brown  
\*Thomas George Diffell  
Richard Macomber  
McFarland, II

Michael Kenneth Nazemetz  
Eugene Nemeth, Jr.  
\*Georgia Flesher Richards  
William Christopher  
Sands, III  
David Douglas Seidl

\*Jacquelyn Mitchell Smith  
Steve C. Smith  
\*Harry Dane Sorensen  
\*Ronald Archie Studer

\* With Honor  
\*\* With High Honor

# COLLEGE OF BUSINESS

KULLERVO LOUHI, DEAN

DEGREE OF  
MASTER  
OF ARTS

## Economics

Robin Lynn Bartlett  
Gerald Ray Campbell  
Paul Alan Carlson

Ridha Ferchiou  
Manuel Antonio Fontecha  
Evan Dean Harrison  
Barry Michael Johnson

Christopher Terrell King  
Hernando Pérez, Jr.  
Leslie C. Ravitz  
Daniel Patrick Roberts

## GRADUATE SCHOOL OF BUSINESS ADMINISTRATION

DEGREE OF  
MASTER OF  
BUSINESS  
ADMINISTRATION

Michael George Alexander  
William George Allen  
Jonathan D. Anderson  
Abdel-Rahman Aly  
Mohamed Bassyouni  
Roger E. Bean  
Suzanne Beaulieu  
James Arthur Becker  
Roy Selbourne Burgher  
William Ernest Carman  
Pedro Antonio Carneiro  
Joon Jae Cho  
Phaiboon Chongtrakul  
Dann Arthur Dietrich  
D. Ray Engleman  
Thomas Michael Finelli  
Patrick Terrance Fitzgibbon  
Earl William Ford  
German Alfonso Garcia  
Peter B. Glance  
Michael Anthony Guy  
David Jackson Hall  
H. Phil Hall  
James K. Hlinak  
Robert William Hoag  
Robert Charles Hoersch  
Richard Dale Houtman

Robert Howard Ingerson  
Charles Michael Jilek  
Rodney Keith Johnson  
Roderic Lee Jones  
Norlan Dale Kaper  
Richard Charles Kervin  
Akira Kitajima  
Christopher Peter LaBoskey  
Cheryl Diane Lalk  
Fred Allen Lustig  
Preeya Mahatharadol  
Larry Eugene Mainstone  
Shahid Naseem Malik  
Marcel Mangen  
Alberto Edmundo  
Martinez-Gottberg  
Paulo Roberto de Mattos  
John William McClintic  
Thomas Whitman Melpolder  
John Carl Mommsen, Jr.  
Robert J. Morse  
Robert J. Nardiello  
James Anthony O'Brien  
Stephen A. O'Brien  
Hisatoshi Ohtsuka  
David L. Peel

James Robert Pickworth  
Thomas C. Putz  
Zahir Ahmed Quraeshi  
Jeffrey Scott Ramsey  
Gary Allen Rankin  
Leslie C. Ravitz  
Ulrich Rembold  
Peter Allan Rosser  
Leslie Howard Ryckman  
Robert Alan Sherman  
Ronald William Shinkle  
Steven Lloyd Silverman  
Lawrence Core Smith  
Daniel Lawrence Star  
William Robert Steeb  
Alan Richard Swartz  
James E. Sylvester  
Brian Frank Tancock  
Mituo Tonooka  
Marion Lee Towery  
James Ford Tracy  
Charuvan Vrakornvorawut  
Michael Fedor Weinschenck  
Robert Milfred Wilson  
Gerhardt Julius Winkel, Jr.  
Roger Antonio Zarruk

DEGREE OF  
BACHELOR  
OF ARTS

## Accounting

\*Susan Marie Demmer  
William Frank Harter  
Douglas Frank Mueller  
Michael Gadalía Naczycz  
Lloyd Marvin Reynolds  
\*Howard Irving Rittman  
Rita Gail Solomon  
\*James C. Warmels

H Honors College  
\* With Honor  
\*\* With High Honor

Giles Garvey Whitton, Jr.  
Robert Russell Zielesch

## Economics

Barry Alan Bernstein  
John Norman Clark  
\*Dudley Peter Dunham, Jr.  
Robert Angelo Frizzo  
\*\*Douglas Henry Gregg  
Mark Alden Hoag

Valerie Jean Hrechko  
Frederick Charles Lawrence  
H\* James Walter Lewandowski  
W. John Menzies  
Kenneth Migdalski  
\*Suzanne Prussian  
H\* Sharon Kay Shimkus  
H\* Leslie Vincent Starr  
Thomas Mark Stephens  
Charles Jon Vranian



# COLLEGE OF BUSINESS

## DEGREE OF BACHELOR OF ARTS

### Financial Administration

Dorothy Jean Anderson  
Ronald L. Barnes  
Paul James Borden  
\*Richard Paul Chulick  
Michael James Bernard  
Crowley  
Edward Louis Latendresse  
\*\*Martha Jean Pohlod  
Gordon E. Rollenhagen  
James Michael Roman

### Food Systems Economics and Management

\*Steven Charles Lalonde  
Dennis Wyman Schwartz

### General Business

#### Administration

Steven George Ayers  
George Edward Bauer, Jr.  
Charles Eugene Bicy  
H\*\*Robin Cynthia Boxer  
Steven Lawrence Catsman  
Jeffrey Cavanagh  
William Fondren Driver, Jr.  
Lewis Carlton Fluker  
Hugh Thomas Gingell  
Thomas Carson Hall  
Patrick Lee Hartford  
Patrick Albin Hogan  
Thomas Joseph Hornak  
Dwight L. Kees  
Richard Bruce Kenney  
Gerard Clement Lautner  
Richard Sherman Lauzun  
Donald Russell Lebbon  
Donald George Loeffler  
Michael R. Loftis  
Edmund Maciorowski  
William Wallace Marantette  
Ronald J. McDaniel  
David A. McGrain

\*John Arthur Nordine  
Lynn Robert Pokorski  
John Leander Rademacher  
David Lee Randall  
Robert James Rau  
Wayne Anthony Roberts  
Douglas Earl Royce  
Charles Jerome Sanders  
H\*\*Zarie Esther Sarkisian  
Erwin William Schmidt  
\*Holly Elizabeth Sill  
Darryl Leon Smith  
Robert Hugh Speer, Jr.  
\*Bruce James Taunt  
\*Michael Frederick Trebesh

### Hotel and Restaurant Management

Edward Stephen Agni, Jr.  
Frank Donald Block, Jr.  
Craig Courtney John Calvert H\*\*  
\*Margaret Mary Cruickshank H\*\*  
Paul Edward Czubak  
Glenn P. Daymon, Jr.  
Michael Patrick Dorian  
\*David Charles Estes  
Richard James Gates  
Jon Michael Gould  
Isaac Anthony Hale  
Janice Kay Mattson  
Susan Ann Peterson  
Randolph Lee Shantz  
James Stephan Widrig

### Industrial Administration

Eugene Stephen Bozsik, Jr.  
Bruce Robert Metzdorf  
\*Wayne Floyd Zdrojowski

### Marketing

Michael James Blackman  
\*Allan L. Edwards  
David William Giroux

Frank Berman Gordon  
James Donald Holloway  
Robert Densmore Ironside  
Charles Alan Johnson  
Peter Michael Lakatos  
Nathan John Nakamura  
Patrick Michael O'Brien  
John Milton Pardell  
Steven William Popyk  
William Clifford Rich  
\*Leo John Santioni  
Allan George Schmotzer

### Office Administration

Constance R. Griesbach  
Sandra Elizabeth Pantti  
\*\*Linda Ann Ross

### Personnel Administration

\*\*Bertha Jo DeForest  
\*\*Susan Marie Dolsky  
Thomas Michael Drummy  
\*William Brian Ferns  
Donald D. Letts  
Michael David Morris  
Richard Francis Przystas  
Richard John Ryan

### Transportation

#### Administration

\*Bobbie Ovin Carmack, Jr.  
Robert Dennis Stebner

DEGREE RECOMMENDED  
JOINTLY WITH THE  
COLLEGE OF EDUCATION

### Business Education

Terrence L. Johnson  
Char Lyn Metcalf  
Dennis Charles Simonovic  
Marian C. Williams

H Honors College  
\* With Honor  
\*\* With High Honor

# COLLEGE OF EDUCATION

WILLIAM B. HAWLEY, DEAN

## *Education*

Maxine Koss Allen  
David Allen Anderson  
Ralph Hubert Avant  
Catherine Margaret Badra  
Mary Ann Baker Bateman  
Amy J. Behm  
Alfredo H. Benavides  
Bruce Burt Benedict  
Ahmad Binazir  
Ruth Anne Block  
John Alan Borgert  
Michael Stephen Botner  
Hugh Gilbert Brown  
Mary Margaret Cameron  
Margaret A. Ciucci  
Lynn Diane Cooper  
Charles Bernard Counts  
Denise Yvonne Curl  
Paulo Gileno Cysneiros  
Charles Richard Daniel  
Ruth Evelyn Demel  
Dirk Irvine Dieters  
Marilyn Ann Ecken  
Julie Ann Elashhab  
Donald E. Elliott  
Cecilia Mary Eytalis  
Robert Bowen Finch  
Diane K. Fisher  
Arlene B. Fulton  
Gary William Gerds  
Linda Kay Glendening  
Harold Goldenberg  
Owen Dickens Goslin  
Jack Lee Grimes  
David Ross Groves  
Howard Vernon Hale  
Rajan Viswanathaiyer  
Hariharan  
Lloyd Richard Hawks  
Richard Alan Henderson  
Pamela Hill  
David Lee Hoefakker  
Barbara Cheryl Hollembaek

Joseph Henry Hollis  
Beverly Ann Freeman  
Holman  
Fitzhugh Otis Houston  
Shirley Sue Hoyle  
Mark R. Hoyt  
Barbara May Huston  
Shamima Islam  
Vorma Jean Johnson  
Mary Elizabeth Juell  
Ann May Kittrell  
Elaine D. Kleman  
Kathlyn Joan Knepper  
Edwin Marion Koziol  
Kenneth James Kuester  
Mark Alan Kuhn  
Edward J. Lynn  
Lynne Marie Martin  
Terrence L. Mason  
Melvin Robert Matchett  
Larry A. Mathews  
Donald James Maxim  
Paul Alan McCulloh  
Meredith Glee McLachlan  
Patricia Lee Messenger  
Constance Johanna  
Mierzejewski  
George Anthony Mikichich  
Jessie Charna Milberg  
Lois Anne Miller  
Christine Adele Minning  
Dennis Alan Moore  
Kathleen Irene Morad  
Malcolm McPhee Morrison  
Clare Leslie Nesbitt, Jr.  
Nancy Lou Nesbitt  
Robert Glen Neville  
Harry Roberts Nickels  
Edwin L. Novak  
John Peter Orehovec  
Linda Diane Patton  
Constance Jane Pieper  
Jovce Eddy Plummer  
Wilhelmina Price

William John Prince  
Joseph Christopher  
Pruszyński  
Bruce G. Raak  
Ronald Berdette Rafferty  
Juan José Ramos  
Frances Nethercut Rauth  
Donald Ralph Reithel  
June Antoinette Rhea  
Robert James Richmond  
Ronald Carl Riggs  
Charles Anthony Rivers  
Ann Featherstone Rollins  
Sharon Deborah Rosenfeld  
William Clark Ross  
Dewight Eugene Runyon  
John Thomas Ryan  
Krachang Sanchatavirul  
Rodrigo Santaana  
Mary Christine Schultz  
Barbara L. Skwara  
Thomas Frederic Sothard  
Raymond George  
Sprecher, Jr.  
Daranee Srfuengfung  
Warren G. Stauffer  
Douglas Clark Strohmer  
James Richard Stueland  
Daniel Edward Sullivan  
Nancy Sypien  
Elaine Joyce Tarrant  
Elsa Avelino Tenmatay  
Mary Margaret Tiell  
Edwin H. Townsend, Jr.  
Sanford S. Ulrich  
James Merle Vandermeulen  
Michael C. Vander Velde  
Carol Ann VanOchten  
Maxine Anne Van Winkle  
Frank Michael Vivio, Jr.  
Anne Louise Weisburger  
Woodrow Wilson  
Loren Dale Wright  
Ann M. Wyskowski

DEGREE OF  
MASTER  
OF ARTS



# COLLEGE OF EDUCATION

## DEGREE OF BACHELOR OF ARTS

### Elementary Education

Nancy Jeanise Albert  
Susan Noreen Allison  
Janice Miriam Altman  
\*\*Barbara Nadine Altschuler  
Carol Jean Avery  
Linda Sue Bailey  
\*Judy Ann Bartleson  
\*Curtis Craig Benham  
Kathleen Bernice Billings  
Joanna Marie Black  
\*\*Gail Jean Block  
Jane Marie Borr  
Cheryl Lynn Boughner  
\*Susan Raye Boyd  
Jack Alden Bradley  
JoAnne Grant Broderick  
Linda May Brown  
Sharilyn Ethel Brown  
Matilda Camhi  
Diana Marie Catallo  
\*Karen A. Checonsky  
Karen Marie Clark  
\*Barbara Ann Collar  
Corinne Sue Cook  
H\*\*James Paul Corcoran  
Catherine Cox  
Norma Jean Craig  
Ann Elizabeth Currier  
Wanda Ellen David  
Barbara Elaine Denton  
Thomas Leonard DeRoseau  
Nancy May De Rousha  
\*\*Carol A. Dietrich  
\*Carol Ann Doll  
Mary Jo Duncan  
Maureen Ann Durkin  
Karen Elizabeth Elliott  
Kathleen Ann Erdmann  
\*Paula Jean Erickson  
Clayton Earl Erratt  
Linda Lou Etherington  
Carol Ann Evans  
\*\*Audrey Kay Fickle  
Margaret Mary Fisher  
Gloria Cheryl Fitzsimmons  
Joan Kathryn Fritz  
\*Julie Anne Fry

\*\*Betty Marie Furtwangler  
Kathryn Elizabeth Gardner  
\*\*Jane Ellen Geers  
Nancy Anne Gerts  
\*\*Baiba Gilbe  
Carol A. Gilmore  
\*Katherine Kay Ginop  
Steven Douglas Gleason  
\*Latty Lee Goodwin  
Cynthia Ann Greenhalgh  
Phyllis F. Hancotte  
\*Margaret Adele Harbut  
Hollis Ann Herring  
Barbara Louise Herrman  
Drucie Ann Hogle  
Jane Marie Holland  
Karen Jean Homakie  
Susan Linda Huckins  
Sherry J. Hudson  
\*Alice Jane Hughes  
\*Sally Rogers Hutchins  
\*Pamela Denise Johnson  
Paula Parko Johnson  
Margaret Ann Kiessel  
O. Jane Klackle  
\*\*Elaine Marie Kluck  
Joseph Leo Koenigsknecht  
\*Ann Konopko  
Mary Ann Kurt  
\*Helen Marie Lange  
\*\*Carol Jean LaRue  
Ardis Heacock Lick  
Karen Kay Lickert  
Christine Marie Lileikis  
Roberta P. Lobdell  
\*Ann-Marie Magnino  
Mary Catherine Malliaros  
Anita Diane Mendelson  
Shirley Ann Metcalf  
\*Janet Elaine Mikelson  
\*\*Sharon Lee Miller  
\*Diane Ball Mitchell  
Dianne E. Moggio  
Nancy Jane Mokolke  
\*Debra Cheryl Morof  
Kathleen Mary Morrissey  
\*Paula Drucie Neiditz  
Joseph W. Nichols  
H\*\*Judith Reynolds Nixon  
Linda Eleanore Noftz  
Judith Ann Noreyko  
Margaret E. Nunley  
\*Carole Ann Oikarinen  
\*Pamela Ann Pace  
\*Terry Lee Patterson  
Judith Gail Pick  
Carolyn Middleton Piirala  
Terry James Prangley  
Mary Josephine Pulte  
James Fredrick Rau  
Terrie Lynn Rearick  
\*Ronald Claire Reed  
\*Kay Marie Reigler  
Patricia Jean Ridinger  
\*\*Carol Ann Rieger  
Terry Maureen Ronney  
Lynn Tinka Ross  
Susan Dean Ross  
Sue Ellen Ruhno  
Melanie R. Satchell  
\*Marilyn Ann Scheffel  
Sandra Marie Seeburger  
Laura Anne Seiss  
Diane M. Shaeffer  
Norbert Paul Sebastian Shell  
Daniel Perry Simeck  
Steven Ross Simmons  
Gwendolyn Fay Simpson  
\*Cathy Ann Smith  
\*Linda Sue Smith  
Josephine T. Snell  
\*Ellen Margaret Speckman  
Margaret Mary Stevens  
Sandra Marie Stoico  
Denise Carol Storey  
Linda Louise Strom  
Steven Lee Swagler  
Christine Suzanne Thomas  
Jill Suzanne Thompson  
\*Ardella Marie Thornton  
Jeanne Kay Tody  
\*Janice Marie VanKrevelen  
\*Elyn Sue Vannatter  
Meganne Waldron  
\*Merrie Jo Warren  
Maria E. Wawro  
Patricia Ann Wilson

## DEGREE OF BACHELOR OF SCIENCE

### Health, Physical Education, and Recreation

Thomas LeRoy Beard  
David Richard Butts  
\*Gail Eileen Callard  
Terrance John Early  
Theodore Clemon Harris  
David Robert Leisman

Randy L. Mast  
Susan Kathryn McMan  
M. Cathleen Michelson  
Pamela Nyann Middleton  
John Arthur Mock  
Dennis Lee Salsgiver  
Sandra Kay Schlarb  
Thomas William Tompkins  
Nihil John VanderHoning

Calvin Gregory Vinson  
Carolyn Louise Wilmarth

### Industrial Arts

Burgess Phillips Baker  
\*Richard John Hunter  
\*\*Glenn William Wagner

H Honors College  
\* With Honor  
\*\* With High Honor

# COLLEGE OF COMMUNICATION ARTS

HERBERT J. OYER, DEAN

## DEGREE OF MASTER OF ARTS

### Advertising

Norman Jeffrey Medoff

### Audiology and

### Speech Sciences

Alexandra Therese Finelli  
Bonnie Sue Forman  
Beverly Ann Goldstein

Miriam Hall  
Charlotte Ann Scarcella  
Bonita Ann Zeigler

### Communication

John Jarvis Blohm  
Syed Baqir Hassan  
Donald David Miller  
Josep Rota

### Journalism

Maryellen Morrice Bogin  
Walker Roberts  
Regina Canelle Sherard  
Robert Stephen Zawoysky

### Television and Radio

Thomas Michael Girocco  
David Walsh Littleton  
J. Patrick O'Donnell  
Gary Lee Steinke

## DEGREE OF BACHELOR OF ARTS

### Advertising

Gary Robert Brydges  
Jeffrey Alan Carpenter  
John Michael Casteel  
Jeanne Dodd Donahue  
\*K. Alan Foss  
David Nelson Glenn  
John Joachim Hallman  
Colin Robert Hopkinson  
\*William John Tavella  
Daryl Merton Warner  
Catherine Louise Warren  
Timothy D. Whetstone

### Communication

Judith Ellen Comer  
Linda Carol Everett  
Kenneth Leo Geller  
\*Rhoda Ellen Halperin  
Lynda Susan Ordon  
\*\*Timothy Hanson Racine  
Kirk Dennis Rand  
Dennis Richard Stabenow  
William Rexford Stribley  
\*Ronald Nelson Watkins

### Journalism

Clifton Robert Bradley  
Brenda Jay Coglianese  
Charles William Giesler  
David Lee Kitchel  
Mary Jane Lorimer  
Beth Ann Masalkoski  
Barry Arnold Miller  
\*Linda Christine Randall  
\*Kenneth Michael Winter

### Television and Radio

Patrick Francis Bengtson  
Robert Marshall Burke  
Brian Edward Devlin  
Larry Alan Estlack  
\*Robert Lowell Featherly, Jr.  
Terry Charles Ficorelli  
Donald Jay Foltz  
\*Daniel Charles Gaitens  
Gretchen LaVonne Klein  
James Edward Maxwell  
George Nicholas Nitecki  
Timothy Michael Nowicki  
Robert Joseph Planck  
\*William Henry Powers  
Robert Alan Pritchard  
Jeffrey L. Rivard

\*David Michael Rocque  
Douglas Brian Rook  
\*Roseanne Sylvia Sieweke  
Elliott John Smith

DEGREE RECOMMENDED  
JOINTLY WITH THE  
COLLEGE OF EDUCATION

### Audiology and Speech Sciences

Denise Doyle  
Deborah Ruth Moore  
Susan M. O'Brien  
\*\*Janet Marie Peterson  
Beryllin Ann Pride  
Mary Elaine Spencer  
\*\*Karen Ann Suty

### Communication

Ruth M. Dahl  
Carolyn Marie Fry  
\*Roger Daniel Graziani  
Christopher D. Hensick  
\*Gloria Sue Nelli  
Gloria Jean Price  
\*Sharon Elizabeth Turner  
Angelo John Zervos

\* With Honor  
\*\* With High Honor



# COLLEGE OF ARTS AND LETTERS

RICHARD E. SULLIVAN, DEAN

## DEGREE OF MASTER OF ARTS

### Art Education

Karyn Sue Cribley

### Art History

Jane Merriam de Vyver  
Horka

### Art Practice

Evelyn A. Belschner Bruzy

### English

Stuart Lee Coonin  
Frances N. Ewert  
Amelia Anne Falke  
Lucinda Littlejohn  
Melvin Troy Peters

Carolyn Cohen Shepard  
Arlette Miller Smith

### French

Candis J. Simone

### History

Jeanne Ann Cooper  
William Garth Fuller  
Stephen Hamilton Hyndman  
Clyde Gerald Kornegay, Jr.  
Dennis Edward Meier  
William Patrick Mooney  
Patrick Russell O'Donnell  
Patrick Korima Pieh  
David Stevens Sefton  
Gail Lorraine Shultz

Robert W. Swanson, Jr.  
William Granger Youatt

### Linguistics

Judy Eva Abrams  
Marvin Richard Coates  
Beth Morton  
Rochelle Marion Powtong

### Philosophy

Leroy Francis Perry

### Spanish

Leonor Felisa Conzevoy

### Theatre

Gail Odell Browning

## DEGREE OF MASTER OF FINE ARTS

### Art Practice

Wilmer Phillip Arnold

Jagdish Jivraj Chavda

## DEGREE OF MASTER OF MUSIC

### Applied Music

Frank Edward Scott

### Music Education

Estelle Ordella Holman  
Harris

### Music Therapy

June Ann Raad

## DEGREE OF BACHELOR OF ARTS

### Art History

Joy Elizabeth Martin

### Art Practice

\*Carol Ann McBride  
Peggy J. McLaren

### Classical Studies

H\*\*Catherine Clara Dormal

### English

Barbara Ann Bailey  
H\*\*Judith Ellen Burger

Patricia Bernice Corpt  
\*Kathleen Ann Cummings  
\*Jack Epps, Jr.  
Linda Lieberston Gold  
Janet Lee Huddleson  
Faye Yvonne Leimback  
Cathy Jean McGeoch

H Honors College  
\* With Honor  
\*\* With High Honor

# COLLEGE OF ARTS AND LETTERS

## DEGREE OF BACHELOR OF ARTS

### English (Continued)

H\*\*Yvonne O. McLravy  
Alaine Marie Pennock  
Nancy Kay Schneider  
Thomas Perry Scholtens  
Cynthia Jean Shaver  
Paul Anthony Villaire  
Mary Ellen Way

### French

Dianne Browning Allen

### German

H\*\*Nancy Margaret Snyder

### History

\*\*John Morris Benson  
Elam Leonidas Brown, Jr.  
Alvin Carver Davis  
\*\*Susan Ruth Dickey  
Thomas Martin Gudritz  
Walter Rudecki, Jr.  
\*\*Linda Elizabeth Stein  
\*\*Judith Ann Voss

### Humanities

\*\*Lucy M. Ballejo  
David Ross Brownell  
\*Nancy Jackson Landis  
\*Sondra Lee Mills  
Jean Lu Newman  
Jennifer Yueh-Hwa Peng  
H\*\*Barbara Jane Stone

### Philosophy

\*Roger Loren Cady  
\*\*John Patrick Clobridge

## DEGREE OF BACHELOR OF FINE ARTS

### Art Practice

\*David Dale Blow  
H\*\*David Robert Kirkpatrick  
\*\*William Handy Roberts  
\*Brian Craig Smith  
Elizabeth Seaman Tenney

## DEGREE OF BACHELOR OF MUSIC

### Music Theory — Composition

\*William John Schneider

### Music Therapy

H\*\*Barbara Reed Cobb  
\*Reesa Rachel Gringorten  
\*Marie Angeline Lemaster

H Honors College  
\* With Honor  
\*\* With High Honor

### Religion

Richard Charles Andrus

### Russian

H\*\*Gail L. Brautigam

### Spanish

Karen Sue Johnson

DEGREE RECOMMENDED  
JOINTLY WITH THE  
COLLEGE OF EDUCATION

### Art Practice

Mary Denise Arnett  
Janet Kay Goebel  
Laurel Anne Grob  
Sally Ruth Noddings  
Ann Mary Partridge  
Donna Louise Scifres  
\*David Byrnes Stoll

### English

\*Pamela Jane Benison  
\*Christine Ann Burdick  
\*Delores Louise Cassidy  
Kevin G. Cooper  
\*Nancy Marie Doe  
Joan Kathleen Hardy  
Pamela Madge Hicks  
\*Margaret Kathleen Higgins  
\*Joan Elizabeth Hunault  
\*Elizabeth Suzanne Kent  
\*Joanne Margaret Mueller  
H\*\*Jean Marie Murphy  
\*Michael Murray  
Marguerite Darlene Rice

DEGREE RECOMMENDED  
JOINTLY WITH THE  
COLLEGE OF EDUCATION

### Art Practice

Vicki Lynn Nunn  
David Joseph Seaman

\*Marian Elizabeth Lowenkron  
Nina Ellen Shifrin

DEGREE RECOMMENDED  
JOINTLY WITH THE  
COLLEGE OF EDUCATION

### School Music

\*Martha Sue Atchison

Carolyn Converse Rowe  
\*\*Suzanne Jane Shellenbarger  
Patricia Ellen Sherlock  
H\*\*Jacqueline Smith  
\*Michael Carlton Sprout  
\*Janice Nemrava Strand  
H\*\*Marilyn R. Thelen  
\*Margaret Mary Wyles

### French

H\*\*Jo Anna Bennett  
\*\*Catherine W. Champion

### German

Mary Anne Righter  
Mary Janet Stauffer

### History

William David Allen  
Rachel Ellen Apple  
Faye Lorraine Booth  
Mary Anne Hornyak  
Ira Harris May  
\*\*Celeste Marie Parker  
Patricia Ann Sholler

### Spanish

Antonio Z. Chavez  
H\*\*Mary Lynn Mason  
Constance Concepción  
Sánchez  
H\*\*Marta Tienda

### Theatre

Patricia Anne Kirk  
Katherine Maria Petrick  
Andrew Loren Reese

\*Karen Jane Bartholomew  
Sheila M. Bigelow  
\*Pamela Marie Bretes  
\*\*Carol Lynn McNulty  
Margaret Elizabeth Power  
\*Kathleen Sue Ransom  
\*Gary Dwaine Richmond  
\*Barbara Lynn Strutt  
Rita Yeranouhi Vanerian



# COLLEGE OF NATURAL SCIENCE

RICHARD U. BYERRUM, DEAN

DEGREE OF  
MASTER  
OF ARTS

Mathematics

Louis John Berkhof  
Henry Jerome Gette

Susan Kay Hill  
John Bladen Mason, III  
Roger Bruce Nelson

Veril LeRoy Phillips  
Douglas Alan Spragg

DEGREE OF  
MASTER  
OF ARTS  
FOR TEACHERS

General Science

Behzad Pak

Physical Sciences

My Linh Phan

DEGREE OF  
MASTER  
OF SCIENCE

Applied Mathematics

Robert William Owens

Biological Sciences

Joseph H. Schenkel

Biophysics

Shilling Feng  
Robert Childerhose  
Switzer, III

Botany

Valerie Jean Dryer

Chemistry

Thomas Carl Creitz

Entomology

Stuart Hargraft Gage  
Marvin Lee Goad  
John Alfred Jackman  
Lee Emery Pepper  
Rajagopal Sitaraman  
Diana Dee Wilder

Geology

Jerry Duane Lewis  
Roy David Nurmi  
Michael Martin Spurgat  
Stephen Ray Waltz  
Richard Jeffrey Wharton

Mathematics

Servet Bahceli  
Janice Faye Baker  
Gregory Peter Campbell  
William Ray Deever  
Elizabeth Marie Schron  
Thomas Gordon Schryer  
Nicholas John Weyland

Microbiology

Sarah Josephine Chapman  
Chi-Byi Charlie Horng  
Charles Woodrow Moore  
Pornsawan Nimnoi

Physics

Gary E. Fairfax  
James Lee Lampem

Physiology

Douglas Williamson Bierer  
Richard Laurence Walker

Statistics

James Oscar Bowen  
Rekha Upendralal Dalal  
Venus Peachavanish

Zoology

Brenda Pauline Alston  
William James Barry  
George Joseph Divoky  
John H. Fitch  
Gordon Lamar Godshalk  
Paul Bernard Hamel  
Patricia Gayle Jolly  
Mary Evans Lehnert  
Karel Louise Rogers

# COLLEGE OF NATURAL SCIENCE

DEGREE OF  
BACHELOR  
OF ARTS

## Chemistry

- \*Cynthia Anne Berry
- \*Robert Wayne Brueggemeier
- H\*\*Ronald Curtis Fisher
- Edwin Norman Proctor
- Mark Robert Tidey

## Mathematics

- H\*\*Carey Paul Simmons

DEGREE RECOMMENDED  
JOINTLY WITH THE  
COLLEGE OF EDUCATION

## Mathematics

- \*Michael James Connelly
- \*Janet Elizabeth Dery
- H\*\*Deborah Lynn DiFabio
- Barbara Ann Olivier
- Charlotte Elizabeth Osborn
- \*Sherrill Jane Reblitz
- \*Deborah Jean Worzniak

## Biochemistry

- \*George Edward Bonefeld
- H\*George Monroe Jackson
- \*Charles Howard Keller
- \*Thomas Marty McIntyre
- Yiu Ting Ng
- H\*\*Richard John Robb
- \*John Ernest Stork

## Biological Sciences

- \*John William Barko
- Alan Robert Hays
- Norma Jean Howe
- H\*\*David M. Mathis
- Katherine Frances Squires
- Brian Lee Tabor
- Steven Craig Welke

DEGREE OF  
BACHELOR  
OF SCIENCE

## Botany

- \*Karen Lee Klomparens

## Chemistry

- \*Douglas Neil Deline
- Richard William Kotsch

## Entomology

- Paul Harold Lockwood

## Geology

- Thomas Alan Godbold

## Mathematics

- David John Eschenburg
- \*Pamela Janice Pajas
- Ruth Ann Rudnik

- \*\*Raymond Michael Wawro
- Thomas Richard Williams

## Microbiology

- H\*\*Joyce Carolyn Rieman

## Nursing

- \*Kathleen Mary Amble
- Carol Lynn Gardner
- \*Penelope Joan Hoffman
- Lynn Harriet Kushner
- Camille A. Makuch
- \*Juanita Joan McGuire
- Lois F. Tuinenga

## Physical Sciences

- Leon Harold Martin

## Physics

- H\*\*Patrick Thomas Soltis

## Physiology

- H\*\*Laurence Eric Stempel

## Zoology

- John Jefferson Baisden
- Daniel Edward Batenburg
- Dennis John Cavallaro
- Michael Warren Clark
- \*Sharon Ann Esau
- \*\*Norman Baumann Jolin
- Dennis Duane Kimmel
- H\*\*Malonnie L. Kinnison
- \*\*Thomas Clayton Knauss
- H\*\*Scott McKenzie
- David Randall Meek

Stephen Thomas Oneill  
Noreen Dorothy Overeem  
Paul J. Savarese  
Mark Alan Smith  
Maxwell Clinton Tasker

DEGREE RECOMMENDED  
JOINTLY WITH THE  
COLLEGE OF EDUCATION

## Biological Sciences

- William Edwin Camp
- \*Linda Sue Harris
- David Ernest Hieshetter
- Ronald John Rottschaefer
- H\*\*Mary Beth Slabaugh

## General Science

- Michael Paul Gloden

## Geology

- H\*\*Laura Irene Hass

## Mathematics

- \*Pamela Virginia Adams
- \*Bette Jo Dubin
- Edward Earl Fisher
- H\*\*Ellen Beth McMacken
- Larry Elton Moore
- Ruth Dorothy Robb
- Kenneth Albert Schneider, Jr.
- Robert Matthew Thomas
- H\*\*Marcia Ann VanLokeren

## Physical Sciences

- Michael James Sarette

H Honors College  
\* With Honor  
\*\* With High Honor



# COLLEGE OF SOCIAL SCIENCE

CLARENCE L. WINDER, DEAN

DEGREE OF MASTER OF ARTS	<u>Anthropology</u> Russell Earl Lewis William Anthony Lovis, Jr. Steven Wayne Perrin Sonia Ruiz-Perez	<u>Psychology</u> John G. Bridge Jerry Carl Eyer George Robert Fleming, Jr. Allen Goodman Eben Maceo Ingram Joshua Jay Jaffe Marsha Helen Katz Rita Wendelin Larson Suzanne Power Marshall Raymond Joseph Montemayor Alida Diane Quick Carol Hope Saturansky Marguerite Barratt Stevenson Robin Richard Vallacher	<u>Social Science</u> Sandra Arlyn Washington
	<u>Geography</u> Harry Elliott Colestock, III Yolanda Juno Hayes John Darby Loikow Steven Abell Shedd		<u>Sociology</u> William Patrick Boss Katherine Durham Richard Lawrence Johnson Michael M. Loukinen Utako Ozaki Marianne Alice Paget Patricia Louise Phillips Christopher Prime Pilotti Phillip Anthony Salopek Dorothy Lee Smith Diane Elizabeth Szymkowski William Earl Vredevoogd Kenneth Michael Wojcik Antoinette Cleomie Woods
	<u>Political Science</u> Eugene J. Alpert Nicolas Alan Bloom Michael V. Haselswerdt David Charles Myers John George Schuiteman		
DEGREE OF MASTER OF LABOR AND INDUSTRIAL RELATIONS	Thelma Argretta Crivens Robert Lee Emily Grant Thomas Earl Johnston	Dolores Lyons Barbara Ruth McIntosh Martha Coon Mertz	Dan Waldman Ernest Cecil Wimberley
DEGREE OF MASTER OF SCIENCE	<u>Criminal Justice</u> Rowland Eugene Burnham Shing-Pow Chien Michael Ewens Gersten	James Alexander Hood Frank S. Horvath Shirley Ann Ollis	Steven William Siegrist John Arthur Snyder David Eldon Stormer
DEGREE OF MASTER OF SOCIAL WORK	Edward Aloysius Clarke	Marilyn Jean Ives	

## COLLEGE OF SOCIAL SCIENCE

### DEGREE OF BACHELOR OF ARTS

#### Anthropology

- \*Kimberly Jo Bell
- H\*Janice L. Goldman
- James Phillip LaLone
- \*\*Jane Elizabeth McHale

#### Political Science

- \*Patricia Lynette Bayliss
- \*\*Randolph Louis Bodwin
- Louis Sandor Hruovsky
- David Halsted Jenkins
- James Bert Katona
- Carol Diane Lowe
- Dean Bruce McCormick
- Donna Starr O'Donnohue
- Booker Leon O'Neal
- JoeRoy Pendergrass
- Harold Alfred Renn, Jr.
- H\*Michael Lawrence Stein
- Grover Cleveland Strong, III
- Mark James Verleger
- Rodney Watts

#### Psychology

- James Conwell Brewer, II
- \*\*Janet Louise Burtneiss
- Thomas Lee Cox
- \*Jeffrey Holden Crowe
- Nancy Gene deLusignan
- H\*Gregory Mark Dziadosz
- Audrey Iola English
- H\*Jo Stott Farnham
- \*William Henry Gibbs, III
- H\*Joyce Ellyn Hensley
- Mark William Huntington
- \*Travis V. Jones
- \*Bonnie Gay McFarland
- \*\*Ellen Ruth McLeod
- James William Newman
- Rodney John Puska
- Herschel James Roper
- H\*Nancy A. Rosenau
- Lesley Ann Salminen
- \*Elda Dee Schandelmeier
- H\*Katherine Scheirman

#### Social Science

- Douglas Edward Aquadro
- \*Dennis Raymond Arkens
- Harold Joseph Balkin

#### Anthropology

- H\*\*Annette Marie Adler
- Jean Carol Farr
- \*\*Laura Arlene Henley
- Harriet Benner McNamara
- Robert Jay Riley

#### Criminal Justice

- Michael David Addison
- James Dean Ash
- James Franklin Bourke

- H Honors College
- \* With Honor
- \*\* With High Honor

- \*Rex Arlyn Barker
- \*Joanne Louise Benn
- Harold Floyd Caminker
- \*William Edward Charleston
- Alan Bruce Chenoweth
- Edward Thomas Clark
- John M. Cohn
- Susan Carol Donaldson
- Thomas Michael Dravecky
- \*Mark Stephen Faden
- Roseann Fenley
- H\*Stephen Walter Fitton
- Roderick Duane Gillum
- Robert Dale Gleason
- Robert Gerald Harris
- Janice Rose Hosack
- Ranney Lynn Johnson
- Carla Joanne Jolly
- Pamela Sue Kemmerer
- James Jesse Kopasz
- Lawrence David Korn
- John Thomas LaRose
- Mark Anderson Lipa
- Ellen Jane Louis
- Bruce Thomas Lyons
- \*Marianne McGivern
- Joanne Marie Nicholson
- Robert Allan Prokop
- Paul Frederick Quick
- Janice Kerr Rundles
- Donald Francis Savolainen
- Wayne Lloyd Schuette
- \*James Henry Shell
- \*David Barry Stein
- \*Frederick Floyd Swegles
- Wallace Paul Tarver, Jr.
- Marc Edward Thomas
- Paul Richard Thomas
- John Houston Trudell
- Frederick Alan Utting
- Edward John Waltz
- H\*Stephen Chauncey
- Waterbury
- \*Jeffrey Bruce West

#### Social Work

- William Alan Beiswenger
- \*Roseanna Buchholz
- \*Carol Gene Gribler
- Pamela K. Houser
- Nancy Terry Johns

- H\*Sue K. Brown
- Deborah Lynn Burt
- H\*\*Charles K. Chapman
- John Clark Charney
- \*Phillip David Charney
- James Franklin Clark
- \*MaryJane Derby
- \*Peter Collins Deshler
- Michael Philip Dunne
- \*Christine Ann Eno
- Donald John Falconer
- Gregory Alan Fierstine

- \*\*Judy Joseph
- Claudia Jane Kersten
- Gale Lynn LaBell
- Anne Hyde Lambrecht
- Gerald Robert Meszaros
- Nancy Suzette Muns
- Kathryn Lynn Pinkus
- Nina Victoria Pniewski
- Eva Mehmetaj Prame
- \*Clifford Edwin Smith
- Joan K. Spalding
- Janet Rae Strauss
- Sally Minton Thomas
- \*Elizabeth Jane Tomac
- Gwenyth Jean Toombs

#### Sociology

- \*Phil Bozzo
- \*Cynthia Carol Dovel
- Larry Francis Gleason
- Demetria Marie Rencher
- Susan Susko

DEGREE RECOMMENDED  
JOINTLY WITH THE  
COLLEGE OF EDUCATION

#### Social Science

- \*Jill Reeves Bodwin
- \*Beatrice Ann Cook
- M. Thomas Dietzel
- Barbara Jo Dunn
- Kenneth Giles Forbes
- Cheryl Lyn Geik
- Stephen Charles Hamilton
- Jacquelyn Ann Hill
- Linda Margaret Holwig
- Joanna Catherine Johnson
- \*Marilynn Sue Jones
- Stephen Ryan Lankton
- Lewis C. Lockwood
- Kathleen Ann MacDonald
- \*Marjorie Jean McLellan
- David William Michelson
- \*\*Kay Ellen Monte
- Gary Alan Sarut
- Linda Carol Sherburn
- \*Arthur Martin Silverblatt
- H\*\*Peggy Lynn Springgay
- Mary Jan Therese Uhlmann

- Timothy M. Finch
- Lois Joyce Fischhaber
- \*\*Joel K. Fries
- Thomas Edward Hansen
- Gina Yvonne Jansingh
- Allen Anthony Jaskolski
- \*DeWayne Delbert Kope
- Barry Edward Kraemer
- Charles Leonard Krosschell
- H\*\*Clara Elizabeth Molina
- \*Alice Marie Montgomery
- Michael William Myron

### DEGREE OF BACHELOR OF SCIENCE



# COLLEGE OF SOCIAL SCIENCE

## DEGREE OF BACHELOR OF SCIENCE

### Criminal Justice (Continued)

Christine Mary Nicewicz  
Edward Charles Patillo  
Marva Denethia Pritchett  
Rosemary Ann Russo  
Joseph Anthony Satterelli  
\*Cathy Jean Sorensen  
H\* \*Paul Bowman Stam, Jr.  
Hervey Alene Taylor, Jr.  
\*James Richard Taylor  
Clarence Ray Terrill  
Robert Elden Vader  
Linda Josephine Zezulka

### Geography

\*John Gerard Lillis  
Michael Roy Reed

### Landscape Architecture

Barbara Lee Fata  
\*L. Rick Larson  
Lynn Melvin Mueller  
\*Stephen Harlie Pierpoint

### Psychology

H\* \*Jay Stanley Adams  
Linda Darnell Appling  
Frank J. Benison  
Charles Frank Branz  
Frank Alton Butler, Jr.  
\*Laura Cholewa  
H\* \*Barry James Coe  
\*James Wilson Davidson  
H\* \*Marilyn Ann Ford  
Daniel Marvin Frampton  
Richard William Grier  
Dorothy Anne Johnstone  
Kurtis Allen Kemper  
Arthur Huntleigh Kindlund  
Gregory John Lambertson  
Susan Lee Lynam  
Claudia Velma Martin  
Walter James  
Middlebrooks, Jr.  
Ronald Alan Parks

Devon Charles Preidis  
Larry Wayne Rinehart  
Francis Anthony Siskowski  
H\* \*Michael Louis Smith  
\*Marjorie Teal Stephenson  
\*Ivan Alexander Stuck  
\*Gregory Alan Wagner  
H\* \*Linda Pauline Wakeman  
\*Cynthia Lee Williams  
\*James Gordon Williams

### Social Science

Howard Vernon Alley  
L. Brent Armstrong  
Stephen Allen Baltic  
Al Herman Bemis  
William Charles Berlin  
\*David Lee Beroza  
Steven Carlton Brooks  
Andrew Alan Chesley  
David William Dale  
Curt Francis Dombecky  
Timothy Joseph Durkin  
Steven R. Flanders  
Edward Michael Fouch  
Paul Robert Fransway  
H\* \*Jean Ellen Gilpin  
David Charles Gray  
James Leon Harvin, III  
Kathleen Ann Healy  
Terry Bryant Hood  
Carleen Frances Kinde  
Thomas Brent King  
Randall Lawrence Knight  
Richard Dale Kramer  
Clarence Arthur Mauch, III  
George John McDermott  
Michael Prentiss McKee  
Lawrence James McKiernan  
Carl Clarence Nieman  
H\* \*Philip Allan Peters  
Rebecca Price  
J. Bruce Quick  
Leland Willard Rosemont, Jr.  
James Martin Schuster

\*Paul Merton Showalter  
David Earl Skinner  
\* \*Lorraine B. Sohn  
Charles Andrew Stanfield  
Jeffrey D. Stecker  
Jeffrey Hugh Stewart  
Frank Thomas Szedlak, Jr.  
Frank James Trionfi  
J. Charles Turnquist  
Robert Sachio Uyesato  
Robert James Van Oosterhout  
Joel Lee Waldbott  
Arnold Joseph Westrine  
Robert John Wilkis

### Sociology

Daniel Lynn Delaney  
Donald Clarence Frank  
\*Charles Leonard Metty  
Eric George Nutter  
\*Philip James Phillips  
Daniel E. Roberts

### Urban Planning

Robert Addison Owen, Jr.  
David Robert Tyler

DEGREE RECOMMENDED  
JOINTLY WITH THE  
COLLEGE OF EDUCATION

### Geography

\* \*Stanley Kerwin Arnett, II

### Social Science

Denise Marie Ball  
David William Dulworth  
\*Marvin Otis Dunn  
William Louis Meister  
Robert Ted Orlikowski  
Pola Ester Sorkin  
Kenneth Raymond Toner  
David Lee Van Hammen

# JUSTIN MORRILL COLLEGE

D. GORDON ROHMAN, DEAN

DEGREE OF  
BACHELOR  
OF ARTS

David Michael Brantley  
H\*\*Betsy Joyce Bree  
Claudia Charlotte Crawford

Cherie Ann Findorff  
H\*\*Nancy Louisa Ickler  
\*Lorna Gay LaVerne

\*Elaine Ruth McIntosh  
H\*\*Jeffrey Marc Peck  
Susana Sori Pérez

H Honors College  
\* With Honor  
\*\* With High Honor



# COLLEGE OF HUMAN MEDICINE

ANDREW D. HUNT, JR., DEAN

DEGREE OF  
MASTER  
OF SCIENCE

*Clinical Laboratory Science*

William Lee Madden  
Anna Mae Spencer

*Physiology*

James L. Clark

DEGREE OF  
BACHELOR  
OF SCIENCE

*Medical Technology*

Robert Frances Roberts

# JAMES MADISON COLLEGE

ROBERT F. BANKS, DEAN

DEGREE OF  
BACHELOR  
OF ARTS

\*Barbara Ann Ballantine  
Teresa Grace Beukema  
William Archibald Black  
\*Arnet Judson Cole, III  
\*Lawrence Jay Epstein  
Mary L. Gendernalik  
Scott William Hurley  
H\*\*Glenn Robert Kagan

Alan Sheldon Katz  
John Roy Liskey  
H\*\*Stephen O. Murray  
Jill Wendy Oppenheim  
Herman Joseph Thomas, Jr.  
\*Barbara Ann Upston  
Carol Lynn Wallace

DEGREE RECOMMENDED  
JOINTLY WITH THE  
COLLEGE OF EDUCATION

Donald William Bale

H Honors College  
\* With Honor  
\*\* With High Honor



# LYMAN BRIGGS COLLEGE

FREDERIC B. DUTTON, DEAN

DEGREE OF  
BACHELOR  
OF SCIENCE

H\* \*Edward Floyd Bigsby  
\*Charles Butterfield  
Robert Gene Canada

William Kenneth Scheer  
Donald Wilfred Smith  
\*Edward Sidney Stoll

Mark Lindley Stout  
Ronald Storm Tucker

H Honors College  
\* With Honor  
\* \* With High Honor

# RESERVE OFFICERS TRAINING CORPS

The following students have completed their ROTC Education at Michigan State University and have received their commissions as reserve officers of the United States Air Force or the United States Army in the branches indicated.

## AEROSPACE STUDIES

Benjamin John Franklin

Dean Bruce McCormick

## MILITARY SCIENCE

Military Police Corps

Michael Philip Dunne

Clarence Ray Terrill