

University Course and Programs Committee

November 17, 2006

MEMBERS PRESENT:

Voting: Chuck Adams, Bill Curington, Judy Ganson, Patricia Koski, Stephen Langsner, Terry Martin, John Norwood, Dale Thompson, Peggy Whan, Jeannie Whyne

Non-Voting: William Warnock, Kathryn Baker

MEMBERS ABSENT:

Voting: Rhonda Adams, Fran Beatty, Tom Costello, Larry Foley, Donna Graham, Louise Montgomery, Amy Paris

Non-Voting: Gary McHenry

GUESTS: Carol Reeves, Charles Riggs, Katherine Shurlds, Ken Vickers, Patsy Watkins

John Norwood called the meeting to order at 2:30 P.M.

1. The minutes for October 27, 2006 were approved.
2. Course Change Proposals:
 - A. The undergraduate course change proposals ([Table A](#)) were approved and forwarded for the December 6, 2006 Faculty Senate meeting.
 - B. The graduate and dual courses ([Tables B and C](#)) were approved and forwarded to the Graduate Council.
3. Old Business: None
4. New Business:
 - A. A program change for the Bumpers College of Agricultural, Food and Life Sciences – School of Human Environmental Sciences ([Table 1](#), [Attachment 1A](#)) – was presented by Peggy Whan. The program change eliminated the computer course requirement and increased the general electives for the HDF SBS degree. The program change was approved without opposition and forwarded for the December 06, 2006 Faculty Senate meeting.
 - B. A program change for the Bumpers College of Agricultural, Food and Life Sciences – School of Human Environmental Sciences ([Table 1](#), [Attachment 1B](#)) was presented by Peggy Whan. The program change added a new required course HESC 2643 and reduced the number of general elective hours. After considerable discussion the program change was tabled until the College of Education and the School of Human Environmental Sciences can meet and discuss the content of HESC 2643.
 - C. A program change for the J. William Fulbright College of Arts and Sciences – The Walter J. Lemke Department of Journalism ([Table 2](#), [Attachment 2A](#)) was presented by Patsy Watkins and Katherine Shurlds. The program change added pre-requisites to JOUR 1033 which affected several other programs on campus. The program change was approved without opposition and forwarded for the December 6, 2006 Faculty Senate meeting.
 - D. A program change for Undergraduate Interdisciplinary Studies - Microelectronics – Photonics ([Table 3](#), [Attachment 3A](#) and [Attachment 3B](#)) was presented by Ken Vickers. The program change created a new minor in Microelectronics-Photonics. The program change was approved without opposition and forwarded for the December 6, 2006 Faculty Senate meeting.
 - E. A program change for the Walton College of Business – Honors Programs ([Table 4](#), [Attachment 4A](#)) was presented by John Norwood. The program change permitted 1000 and 2000 level WCOB honors courses to count toward completion of the Walton Scholars or Departmental Scholars programs. The program change was approved without opposition and forwarded for the December 06, 2006 Faculty Senate meeting.

- F. A program change for the Walton College of Business – Department of Management ([Table 4](#), [Attachment 4B](#) and [Attachment 4C](#)) was presented by Bill Curington and Carol Reeves. The program change created a new Graduate Certificate in Entrepreneurship. The program change was approved without opposition and forwarded to the Graduate Council.
- G. A program change for the College of Education and Health Professions – Department of Curriculum and Instruction ([Table 5](#), [Attachment 5A](#) and [Attachment 5B](#)) was presented by Steve Langsner. The program change requested the elimination of the MLEDMA degree program. The program change was approved without opposition and forwarded to the Graduate Council

5. Other Business: None

Meeting was adjourned at 3:08 PM.

TABLE A**UCPC****Undergraduate Courses**

November 17, 2006

COLL	DEPARTMENT NAME	DEPT	CRSE ALPHA	CRSE NUM	CRSE TITLE	CREDIT LEVEL	ACTION	CREDIT HOURS	EFFECTIVE DATE
ARSC	Biological Sciences	BISC	BIOL	4503	Ecosystem Ecology	U	ELC	3	Fall 2007
GRAD	Graduate Dean	GRSD	SPAC	300V	Space & Planetary Sciences Research	U	ANC	variable	Fall 2007
GRAD	Graduate Dean	GRSD	SPAC	400VH	Honors Research in Space & Planetary Sciences	U	ANC	variable	Fall 2007
GRAD	Graduate Dean	GRSD	SPAC	4011H	Honors Colloquium in Space & Planetary Sciences	U	ANC	1	Fall 2007

TABLE B**UCPC****Graduate Courses**

November 17, 2006

COLL	DEPARTMENT NAME	DEPT	CRSE ALPHA	CRSE NUM	CRSE TITLE	CREDIT LEVEL	ACTION	CREDIT HOURS	EFFECTIVE DATE
GRAD	Graduate Dean	GRSD	GRSD	5001	Introduction to Preparing Future Faculty	G	ANC	1	Fall 2007
GRAD	Graduate Dean	GRSD	GRSD	5003	Teaching in Higher Education to The Professor's Role in Higher Education	G	CT, CD	3	Fall 2007
GRAD	Graduate Dean	GRSD	MEPH	5383	Research Commercialization and Product Development	G	ANC	3	Fall 2007
GRAD	Graduate Dean	GRSD	MEPH	5841	Research Commercialization and Product Development Lab	G	ANC	1	Fall 2007
WCOB	Management	MGMT	MGMT	5203	Managerial Process and Organizational Behavior	G	ELC	3	Spring 2007
WCOB	Management	MGMT	MGMT	5213	Business Foundations for Entrepreneurs	G	ANC	3	Fall 2007
WCOB	Management	MGMT	MGMT	5343	Managerial Communication	G	ELC	3	Spring 2007
WCOB	Management	MGMT	MGMT	5383	Intra/Entrepreneurship of Technology	G	ELC	3	Fall 2007

Table C**UCPC****Dual Courses**

November 17, 2006

COLL	DEPARTMENT NAME	DEPT	CRSE ALPHA	CRSE NUM	CRSE TITLE	CREDIT LEVEL	ACTION	CREDIT HOURS	EFFECTIVE DATE
ENGR	Mechanical Engineering	MEEG	MEEG	4003	Intermediate Dynamics	D	CD	3	Fall 2007

KEY

ACTION

ANC=	ADD NEW COURSE
ELC=	ELIMINATE COURSE
CT=	CHANGE TITLE
CD=	CHANGE DESCRIPTION
CHN=	CHANGE COURSE NUMBER FROM ___ TO ___
CCH=	CHANGE CREDIT HOURS FROM ___ TO ___
CL=	CROSS LISTED
CEUDC=	CHANGE EXISTING UNDERGRADUATE COURSE TO DUAL CREDIT
CEUGC=	CHANGE EXISTING UNDERGRADUATE COURSE TO GRADUATE CREDIT
CEGUC=	CHANGE EXISTING DUAL/GRADUATE COURSE TO UNDERGRADUATE CREDIT
OTH=	OTHER
RA=	REACTIVATE COURSE
IN=	INACTIVATE COURSE

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November 17, 2006

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GRAD	Graduate Dean	GRSD	SPAC	300V	Space & Planetary Sciences Research	U	ANC	variable	Fall 2007
GRAD	Graduate Dean	GRSD	SPAC	400VH	Honors Research in Space & Planetary Sciences	U	ANC	variable	Fall 2007
GRAD	Graduate Dean	GRSD	SPAC	4011H	Honors Colloquium in Space & Planetary Sciences	U	ANC	1	Fall 2007

TABLE B**UCPC****Graduate Courses**

November 17, 2006

COLL	DEPARTMENT NAME	DEPT	CRSE ALPHA	CRSE NUM	CRSE TITLE	CREDIT LEVEL	ACTION	CREDIT HOURS	EFFECTIVE DATE
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Table C**UCPC****Dual Courses**

November 17, 2006

COLL	DEPARTMENT NAME	DEPT	CRSE ALPHA	CRSE NUM	CRSE TITLE	CREDIT LEVEL	ACTION	CREDIT HOURS	EFFECTIVE DATE
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CT=	CHANGE TITLE
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CEUGC=	CHANGE EXISTING UNDERGRADUATE COURSE TO GRADUATE CREDIT
CEGUC=	CHANGE EXISTING DUAL/GRADUATE COURSE TO UNDERGRADUATE CREDIT
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IN=	INACTIVATE COURSE

University Course and Programs Committee
17-Nov-06

TABLE ONE

Bumpers College of Agricultural, Food and Life Sciences

School of Human Environmental Sciences

HDFSBS - Human Development, Family Sciences and Rural Sociology - Attachment 1A
Proposal eliminates computer course requirement and increases general electives as specified in Section V of the attachment.

FHNHBS - Food, Human Nutrition, and Hospitality - Attachment 1B
Proposal adds course HESC 2643 as a requirement and reduces the hours of general electives as specified in Section V of the attachment.

TABLE TWO

Fulbright College of Arts and Sciences

The Walter J. Lemke Department of Journalism

JOURBA - Adding prerequisite requirement for JOUR 1033 - Attachment 2A
Course is required by several other degree programs. The change is specified in Section V of the attachment.

TABLE THREE

Undergraduate Interdisciplinary Programs

Microelectronics - Photonics

MEPH - Minor - Minor in Microelectronics-Photonics - Attachments 3A and 3B
Proposal creates a new undergraduate minor in Microelectronics-Photonics as specified in Attachment 3A.

TABLE FOUR

Walton College of Business

All undergraduate honors programs - Attachment 4A
Proposal permits 1000 and 2000 level WCOB honors courses to count towards completion of the Walton Scholars or Departmental Scholars programs as specified in Section V of the attachment.

Department of Management

ENTRGC - Adding Graduate Certificate - Attachments 4B and 4C
Proposal to add Graduate Certificate in Entrepreneurship. All courses utilized by the program outside of the Business College have been approved by the other Colleges. Proposal is described in Attachment 4B.

PAGE TWO

UCPC November 17, 2006 (Continued)

TABLE FIVE

College of Education and Health Professions

Department of Curriculum and Instruction

MLEDMA - Eliminate program - Attachments 5A and 5B

Eliminate the MAT in Middle Level Education as specified in Attachment 5A.

IV.)

Change Total Hours (Complete all sections of the form except "Proposed Name" in II, section III, and section IV.)

SECTION VI: Justification

Justify this change and state its likely effect on any other degree program (including those outside the school or college). Identify any program or program components (other than courses) to be eliminated if this program is implemented. (Program and course change forms must also be submitted for such related changes.)

It was the determination of the HDFSRS faculty that students come to our program with adequate computer skills or acquire those skills in other courses. Because the course that students were required to complete was not specified, it is not expected that this will have any effect on any other degree program on campus.

SECTION VII: Catalog Text and Format

Insert the current catalog text, with proposed changes identified in Section V inserted and tracked in Microsoft Word. Be sure that all proposed changes are inserted and tracked. Only changes explicitly stated in Section V will be considered for approval by the University Course and Programs Committee, the Graduate Council and the Faculty Senate.

Include the following elements, in order, in the catalog text for proposed undergraduate program(s) or program changes:

- State complete major/program name
- Briefly define or describe the major/program or discipline.
- Identify typical career goals or paths for graduates. (Optional)
- State admission requirements (if any) for entry or entry into upper/advanced level of major/program.
- Identify location in catalog of university, college/school, and department/program requirements which the student must meet in addition to hours in the major, but do not restate these requirements.
- State course requirements in the major and any allied areas, giving number of hours and specific courses; specify electives or elective areas and give numbers of hours and courses in elective pools or categories; identify any other course requirements.
- State any other requirements (required GPA, internship, exit exam, project, thesis, etc.).
- Identify name and requirements for each concentration (if any).
- Specify whether a minor or other program component is allowed or required and provide details.

For minors, state requirements in terms of hours, required courses, electives, etc.

For graduate program/units, include elements (as needed) parallel to those listed for undergraduate programs above.

For Law School program/units, prepare text consistent with current catalog style.

For centers, prepare text consistent with current catalog style.

CURRENT CATALOG COPY

**Human Development, Family Sciences,
and Rural Sociology (HDFSRS)**

Sue S. Martin

Area Coordinator

104 Home Economics Bldg.

479-575-4578

**Students majoring in human development and family sciences
prepare for one of the fastest growing employment opportunities in
the country. The human services area includes jobs that serve people
from conception through the last stages of life. Students develop
skills for working with individuals and families in governmental, private,
and nonprofit organizations. Two concentrations are offered:**

Child Development (CDEV)

**This concentration is for students who desire in-depth knowledge
of children and programs for children from birth to age 12. The focus
on children covers issues from the prenatal to early adolescence.
Graduates may work as preschool teachers, daycare directors, specialists
in the field of child life, and as child advocates.**

Child Development Degree Requirements:

English/Communications (12 hours)

English University Core Courses (6 hours)

ENGL 2003 Advanced Comp or Exemption Elective – See page

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41 for exemption information
COMM 1313 Fundamentals of Communication
Mathematics University Core Course and Computers (5-6 hours)
MATH 1203 College Algebra or higher
Computer Course (2-3 hours)
Science University Core Courses (8 hours) to include
BIOL 1543/1541L Principles of Biology with lab
Fine Arts/Humanities University Core Courses (6 hours)
Select in two categories from “State Minimum Arts/Humanities
Core” (sections a, b, c, or d) – See page 40
US History University Core Course (3 hours)
Social Sciences University Core Courses (9 hours)
PSYC 2003 General Psychology
SOCI 2013 General Sociology or RSOC 2603 Rural Sociology
Economics Elective: ECON 2013 Principles of
Macroeconomics, ECON 2023 Principles of Microeconomics,
ECON 2143 Basic Economics, AGEC 1103 Principles
of Agri Microeconomics, AGEC 2103 Principles of Agri
Macroeconomics
HDFS Major Requirements (22 hours)
HESC 1213 Nutrition in Health
HESC 1501 Orientation to HESC
HESC 2413 Family Relations
HESC 2433 Child Development
HESC 3423 Adolescent Development
HESC 4423 Adult Development
HESC 4753 Family Financial Management
HESC 4453 Parenting and Family Dynamics
CDEV Requirements (37 hours)
HESC 2402/2401L Infant & Toddler Development with lab
HESC 3402/3401L Child Guidance with lab
HESC 4463 Administration & Evaluation of Child Development
Programs
HESC 4472/4472L Child Development Practicum with lab
SCWK 3633 Problems of Child Welfare
CIED 3023 Survey of Exceptionalities
CIED 3103 Children’s Literature
CIED 3113 Emergent and Developmental Literacy
Select 12 hours from
HESC 3443 Families in Crisis
HESC 3763L Family Resource Management Lab
HESC 4433 Dynamic Family Interaction
HESC 4483 Internship in HDFS
HESC 4493 Public Policy Advocacy for Children and Families
HESC 4223 Nutrition During the Life Cycle
CIED 3263 Language Development for the Educator
RSOC 4603 Environmental Sociology
RSOC 4623 Introduction to Community Development
General Electives (21-23 hours)
124 Total Hours
Human Development, Family Sciences, and Rural Sociology Eight-
Semester Degree Program with Child Development Concentration
Students wishing to follow the degree plan should see page 42 in
the Academic Regulations section for university requirements of the
program.
Fall Semester 1
3 ENGL 1013 Composition I
1 HESC 1501 Orientation to HESC
3 COMM 1313 Fundamentals of Communications
3 MATH 1203 College Algebra or higher
3 History Core Elective

3 Fine Arts Core Elective

16 semester hours

Spring Semester 1

3 PSYC 2003 General Psychology

4 BIOL 1543/1541L Principles of Biology with lab

3 HESC 2413 Family Relations

3 ENGL 1023 Composition II

3 Computer Course

16 semester hours

Fall Semester 2

3 HESC 1213 Nutrition in Health

3 HESC 2402/2401L Infant & Toddler Development with lab

3 Humanities Core Elective

3 Economics Elective

4 Physical Science Core Elective

16 semester hours

Spring Semester 2

3 HESC 2433 Child Development

3 ENGL 2003 Advanced Composition or Exemption Elective

3 SOCI 2013 General Sociology or RSOC 2603 Rural Sociology

6 General Electives

15 semester hours

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94 University of Arkansas, Fayetteville

Fall Semester 3

3 CIED 3103 Children's Literature

3 CIED 3113 Emergent & Developmental Literacy

3 SCWK 3633 Problems of Child Welfare

3 HESC 3402/3401L Child Guidance with lab

3 CDEV Elective

15 semester hours

Spring Semester 3

3 HESC 3423 Adolescent Development

4 HESC 4472/4472L Child Development Practicum with lab

3 CIED 3023 Survey of Exceptionalities

3 CDEV Elective

3 General Elective

16 semester hours

Fall Semester 4

3 HESC 4753 Family Financial Management

3 HESC 4423 Adult Development

3 HESC 4463 Administration & Evaluation of Child Development

Programs

3 CDEV Elective

3 General Elective

15 semester hours

Spring Semester 4

3 HESC 4453 Parenting and Family Dynamics

3 CDEV Elective

9 General Electives

15 semester hours

124 Total Hours

Lifespan (LSPN)

This area of study covers the care issues faced by families and individuals in contemporary society. The knowledge and skills developed in this program will prepare the student to work in areas such as aging, parent education, financial and consumer counseling, youth services, and other human service type careers.

LSPN Lifespan Degree Requirements

English/Communications (12 hours)

English University Core Courses (6 hours)

ENGL 2003 Advanced Comp or Exemption Elective – See page 41 for exemption information

COMM 1313 Fundamentals of Communication

Mathematics University Core Course and Computers (5-6 hours)

MATH 1203 College Algebra or higher

Computer Course (2-3 hours)

Science University Core Courses (8 hours)

BIOL 1543/1541L Principles of Biology with lab

University Core Science Elective (4 hours)

Fine Arts/Humanities University Core Courses (6 hours)

Select in two categories from “State Minimum Arts/Humanities Core” (sections a, b, c, or d) – See page 40

US History University Core Course (3 hours)

Social Sciences University Core Courses (9 hours)

PSYC 2003 General Psychology

SOCI 2013 General Sociology or RSOC 2603 Rural Sociology

Economics Elective: ECON 2013 Principles of Macroeconomics, ECON 2023 Principles of Microeconomics, ECON 2143 Basic Economics, AGEC 1103 Principles of Agri Microeconomics, AGEC 2103 Principles of Agri Macroeconomics

HDFS Major Requirements (22 hours)

HESC 1213 Nutrition in Health or HESC 3204 Nutrition for Health Professionals and Educators

HESC 1501 Orientation to HESC

HESC 2413 Family Relations

HESC 2433 Child Development

HESC 3423 Adolescent Development

HESC 4423 Adult Development

HESC 4753 Family Financial Management

HESC 4453 Parenting and Family Dynamics

LSPN Requirements (36-37 hours)

HESC 1403 Lifespan Development

HESC 3443 Families in Crisis

HESC 4433 Dynamic Family Interaction

HESC 4443 Gerontology

HESC 4493 Public Policy Advocacy

PSYC 2013 Introduction to Statistics or STAT 2303 Principles of Statistics or SOCI 3303/3301L Data and Analysis or WCOB 1033 Data Analysis and Interpretation

PSYC 3073 Research Methods or SCWK 4073 Social Work Research & Technology I or SOCI 3313 Social Research

SCWK 3163 On Death and Dying

Select 12 hours from

SCWK 3183 Elderly Citizen

SCWK 3233 Juvenile Delinquency

SCWK 3633 Problems of Child Welfare

SCWK 4133 Family Preservation

SCWK 4143 Addiction and the Family

CNED 3053 The Helping Relationship

CDIS 4273 Communication Behavior and Aging

COMM 3433 Family Communication

HESC 3763L Family Resource Management Lab

HESC 4483 Internship in Human Development and Family Studies

RSOC 4603 Environmental Sociology

RSOC 4623 Introduction to Community Development

General Electives (21-23 hours)

124 Total Hours

Human Development, Family Sciences, and Rural Sociology

Eight-Semester Degree Program with Life Span Concentration

Students wishing to follow the degree plan should see page 42 in the Academic Regulations section for university requirements of the program.

Fall Semester 1

3 ENGL 1013 Composition I

1 HESC 1501 Orientation to HESC

3 MATH 1203 College Algebra or higher

3 HESC 1403 Lifespan Development

3 Fine Arts Core Elective

3 Computer Course Elective

16 semester hours

Spring Semester 1

3 PSYC 2003 General Psychology

4 BIOL 1543/1541L Principles of Biology with lab

3 HESC 2413 Family Relations

3 ENGL 1023 Composition II

3 General Elective

16 semester hours

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University of Arkansas, Fayetteville 95

Fall Semester 2

3 HESC 1213 Nutrition in Health

3 History Core Elective

4 Physical Science Core Elective

3 COMM 1313 Fundamentals of Communications

3 General Elective

16 semester hours

Spring Semester 2

3 HESC 2433 Child Development

3 HESC 3423 Adolescent Development

3 SOCI 2013 General Sociology or RSOC 2603 Rural Sociology

3 Humanities Core Elective

3 General Elective

15 semester hours

Fall Semester 3

3 HESC 3443 Families in Crisis

3 PSYC 2013 Introduction to Statistics or STAT 2303 Principles of Statistics or SOCI 3303/3301L Data and Analysis or WCOB

1033 Data Analysis and Interpretation

3 ENGL 2003 Advanced Composition or Exemption Elective

3 LSPN Elective

4 General Elective

16 semester hours

Spring Semester 3

3 SCWK 3163 On Death and Dying

3 PSYC 3073 Research Methods or SOCI 3313 or SCWK 4073

3 LSPN Elective

3 Economics Elective

3 General Elective

15 semester hours

Fall Semester 4

3 HESC 4493 Public Policy Advocacy

3 HESC 4753 Family Financial Management

3 HESC 4453 Parenting and Family Dynamics

3 HESC 4423 Adult Development

3 LSPN Elective

15 semester hours

Spring Semester 4

3 HESC 4433 Dynamic Family Interaction

3 HESC 4443 Gerontology

3 LSPN Elective

6 General Electives

15 semester hours

124 Total Hours

PROPOSED CATALOG COPY

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and Rural Sociology (HDFSRS)**

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on children covers issues from the prenatal to early adolescence.
Graduates may work as preschool teachers, daycare directors, specialists
in the field of child life, and as child advocates.**

Child Development Degree Requirements:

English/Communications (12 hours)

English University Core Courses (6 hours)

**ENGL 2003 Advanced Comp or Exemption Elective – See page
41 for exemption information**

COMM 1313 Fundamentals of Communication

Mathematics University Core Course (3 hours)

MATH 1203 College Algebra or higher

Science University Core Courses (8 hours) to include

BIOL 1543/1541L Principles of Biology with lab

Fine Arts/Humanities University Core Courses (6 hours)

**Select in two categories from “State Minimum Arts/Humanities
Core” (sections a, b, c, or d) – See page 40**

US History University Core Course (3 hours)

Social Sciences University Core Courses (9 hours)

PSYC 2003 General Psychology

SOCI 2013 General Sociology or RSOC 2603 Rural Sociology

Economics Elective: ECON 2013 Principles of

Macroeconomics, ECON 2023 Principles of Microeconomics,

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CDEV Requirements (37 hours)

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HESC 3402/3401L Child Guidance with lab

**HESC 4463 Administration & Evaluation of Child Development
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HESC 4223 Nutrition During the Life Cycle
CIED 3263 Language Development for the Educator
RSOC 4603 Environmental Sociology
RSOC 4623 Introduction to Community Development
General Electives (23-26 hours)

124 Total Hours

Human Development, Family Sciences, and Rural Sociology Eight-Semester Degree Program with Child Development Concentration
Students wishing to follow the degree plan should see page 42 in the Academic Regulations section for university requirements of the program.

Fall Semester 1

3 ENGL 1013 Composition I
1 HESC 1501 Orientation to HESC
3 COMM 1313 Fundamentals of Communications
3 MATH 1203 College Algebra or higher
3 History Core Elective
3 Fine Arts Core Elective
16 semester hours

Spring Semester 1

3 PSYC 2003 General Psychology
4 BIOL 1543/1541L Principles of Biology with lab
3 HESC 2413 Family Relations
3 ENGL 1023 Composition II
3 General Elective
16 semester hours

Fall Semester 2

3 HESC 1213 Nutrition in Health
3 HESC 2402/2401L Infant & Toddler Development with lab
3 Humanities Core Elective
3 Economics Elective
4 Physical Science Core Elective
16 semester hours

Spring Semester 2

3 HESC 2433 Child Development
3 ENGL 2003 Advanced Composition or Exemption Elective
3 SOCI 2013 General Sociology or RSOC 2603 Rural Sociology
6 General Electives
15 semester hours

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Fall Semester 3

3 CIED 3103 Children's Literature
3 CIED 3113 Emergent & Developmental Literacy
3 SCWK 3633 Problems of Child Welfare
3 HESC 3402/3401L Child Guidance with lab
3 CDEV Elective
15 semester hours

Spring Semester 3

3 HESC 3423 Adolescent Development
4 HESC 4472/4472L Child Development Practicum with lab

3 CIED 3023 Survey of Exceptionalities
3 CDEV Elective
3 General Elective
16 semester hours
Fall Semester 4
3 HESC 4753 Family Financial Management
3 HESC 4423 Adult Development
3 HESC 4463 Administration & Evaluation of Child Development

Programs

3 CDEV Elective
3 General Elective
15 semester hours
Spring Semester 4
3 HESC 4453 Parenting and Family Dynamics
3 CDEV Elective
9 General Electives
15 semester hours

124 Total Hours

Lifespan (LSPN)

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University Core Science Elective (4 hours)

Fine Arts/Humanities University Core Courses (6 hours)

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Social Sciences University Core Courses (9 hours)

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SOCI 2013 General Sociology or RSOC 2603 Rural Sociology

Economics Elective: ECON 2013 Principles of

Macroeconomics, ECON 2023 Principles of Microeconomics,

ECON 2143 Basic Economics, AGEC 1103 Principles

of Agri Microeconomics, AGEC 2103 Principles of Agri

Macroeconomics

HDFS Major Requirements (22 hours)

HESC 1213 Nutrition in Health or HESC 3204 Nutrition for

Health Professionals and Educators

HESC 1501 Orientation to HESC

HESC 2413 Family Relations

HESC 2433 Child Development

HESC 3423 Adolescent Development

HESC 4423 Adult Development

HESC 4753 Family Financial Management

HESC 4453 Parenting and Family Dynamics

LSPN Requirements (36-37 hours)

HESC 1403 Lifespan Development

HESC 3443 Families in Crisis

HESC 4433 Dynamic Family Interaction

HESC 4443 Gerontology
HESC 4493 Public Policy Advocacy
PSYC 2013 Introduction to Statistics or STAT 2303 Principles of Statistics or SOCI 3303/3301L Data and Analysis or WCOB 1033 Data Analysis and Interpretation
PSYC 3073 Research Methods or SCWK 4073 Social Work Research & Technology I or SOCI 3313 Social Research
SCWK 3163 On Death and Dying
Select 12 hours from
SCWK 3183 Elderly Citizen
SCWK 3233 Juvenile Delinquency
SCWK 3633 Problems of Child Welfare
SCWK 4133 Family Preservation
SCWK 4143 Addiction and the Family
CNED 3053 The Helping Relationship
CDIS 4273 Communication Behavior and Aging
COMM 3433 Family Communication
HESC 3763L Family Resource Management Lab
HESC 4483 Internship in Human Development and Family Studies
RSOC 4603 Environmental Sociology
RSOC 4623 Introduction to Community Development
General Electives (23-26 hours)
124 Total Hours
Human Development, Family Sciences, and Rural Sociology
Eight-Semester Degree Program with Life Span Concentration
Students wishing to follow the degree plan should see page 42 in the Academic Regulations section for university requirements of the program.

Fall Semester 1

3 ENGL 1013 Composition I
1 HESC 1501 Orientation to HESC
3 MATH 1203 College Algebra or higher
3 HESC 1403 Lifespan Development
3 Fine Arts Core Elective
3 General Elective
16 semester hours

Spring Semester 1

3 PSYC 2003 General Psychology
4 BIOL 1543/1541L Principles of Biology with lab
3 HESC 2413 Family Relations
3 ENGL 1023 Composition II
3 General Elective
16 semester hours

Dale Bumpers College of Agricultural, Food and Life Sciences
University of Arkansas, Fayetteville 95

Fall Semester 2

3 HESC 1213 Nutrition in Health
3 History Core Elective
4 Physical Science Core Elective
3 COMM 1313 Fundamentals of Communications
3 General Elective
16 semester hours

Spring Semester 2

3 HESC 2433 Child Development
3 HESC 3423 Adolescent Development
3 SOCI 2013 General Sociology or RSOC 2603 Rural Sociology
3 Humanities Core Elective
3 General Elective
15 semester hours

Fall Semester 3

3 HESC 3443 Families in Crisis
3 PSYC 2013 Introduction to Statistics or STAT 2303 Principles of Statistics or SOCI 3303/3301L Data and Analysis or WCOB 1033 Data Analysis and Interpretation
3 ENGL 2003 Advanced Composition or Exemption Elective
3 LSPN Elective
4 General Elective
16 semester hours
Spring Semester 3
3 SCWK 3163 On Death and Dying
3 PSYC 3073 Research Methods or SOCI 3313 or SCWK 4073
3 LSPN Elective
3 Economics Elective
3 General Elective
15 semester hours
Fall Semester 4
3 HESC 4493 Public Policy Advocacy
3 HESC 4753 Family Financial Management
3 HESC 4453 Parenting and Family Dynamics
3 HESC 4423 Adult Development
3 LSPN Elective
15 semester hours
Spring Semester 4
3 HESC 4433 Dynamic Family Interaction
3 HESC 4443 Gerontology
3 LSPN Elective
6 General Electives
15 semester hours
124 Total Hours

SECTION VIII: Action Recorded by Registrar's Office

PROGRAM INVENTORY/DARS

PGRM _____ SUBJ _____ CIP _____ CRTS _____
 DGRE _____ PGCT _____ OFFC&CRTY VALID _____

REPORTING CODES

PROG. DEF. _____ REQ. DEF. _____
 Initials _____ Date _____

Distribution

Notification to:
 (1) College (2) Department (3) Admissions (4) Institutional Research (5) Continuing Education (6) Graduate School
 (7) Treasurer (8) Undergraduate Program Committee Initials _____ Date _____

University Course and Programs Committee
17-Nov-06

TABLE ONE

Bumpers College of Agricultural, Food and Life Sciences

School of Human Environmental Sciences

HDFSBS - Human Development, Family Sciences and Rural Sociology - Attachment 1A
Proposal eliminates computer course requirement and increases general electives as specified in Section V of the attachment.

FHNHBS - Food, Human Nutrition, and Hospitality - Attachment 1B
Proposal adds course HESC 2643 as a requirement and reduces the hours of general electives as specified in Section V of the attachment.

TABLE TWO

Fulbright College of Arts and Sciences

The Walter J. Lemke Department of Journalism

JOURBA - Adding prerequisite requirement for JOUR 1033 - Attachment 2A
Course is required by several other degree programs. The change is specified in Section V of the attachment.

TABLE THREE

Undergraduate Interdisciplinary Programs

Microelectronics - Photonics

MEPH - Minor - Minor in Microelectronics-Photonics - Attachments 3A and 3B
Proposal creates a new undergraduate minor in Microelectronics-Photonics as specified in Attachment 3A.

TABLE FOUR

Walton College of Business

All undergraduate honors programs - Attachment 4A
Proposal permits 1000 and 2000 level WCOB honors courses to count towards completion of the Walton Scholars or Departmental Scholars programs as specified in Section V of the attachment.

Department of Management

ENTRGC - Adding Graduate Certificate - Attachments 4B and 4C
Proposal to add Graduate Certificate in Entrepreneurship. All courses utilized by the program outside of the Business College have been approved by the other Colleges. Proposal is described in Attachment 4B.

PAGE TWO

UCPC November 17, 2006 (Continued)

TABLE FIVE

College of Education and Health Professions

Department of Curriculum and Instruction

MLEDMA - Eliminate program - Attachments 5A and 5B

Eliminate the MAT in Middle Level Education as specified in Attachment 5A.

**ATTACHMENT 1B
ADD, CHANGE OR DELETE PROGRAM OR UNIT**

Complete this form consistent with the instructions in Academic Policy 1622.20. Use the form to add, change, or delete a program or unit. Proposed additions and changes must be consistent with Academic Policies 1100.40 and 1621.10 and any other policies which apply.

SECTION I: Approvals

Department / Program Chair _____	Date Submitted _____	Faculty Senate Chair _____	Date _____
College Dean _____	Date _____	Provost _____	Date _____
University Course and Programs Committee _____	Date _____	Board of Trustees Approval/Notification Date _____	
Graduate Council Chair _____	Date _____	Arkansas Higher Education Coordinating Board Approval/Notification Date _____	

SECTION II: Profile Data - Required Information and Name Change Information

Academic Unit: Major/Field of Study Minor Other Unit **Concentration C of FHNH**

Level: Undergraduate Graduate Law Effective Catalog Year **Fall 2007**

Current Name **Food, Human Nutrition, and Hospitality**

College, School, Division **AFLS** Department Code **HESC**

Current Code (6 digit Alpha) **FHNHBS** Proposed Code (6 digit Alpha) _____
Prior approval from the Office of the Registrar is required.

Interdisciplinary Program CIP Code **19.0501**
Prior assignment from Office of Institutional Research is required.

Proposed Name _____
When a program name is changed, enrollment of current students reflects the new name.

SECTION III: Add a New Program/Unit

For new program proposals, complete Sections II and VII and use as a cover sheet for a full program proposal as described in 'Criteria and Procedures for Preparing Proposals for New Programs in Arkansas.' ADHE <<http://www.adhe.arknet.edu.aadept.html>>.

SECTION IV: Eliminate an Existing Program/Unit

Code/Name _____ Effective Catalog Year _____

No new students admitted to program after Term: ____ Year: _____

Allow students in program to complete under this program until Term: ____ Year: _____

SECTION V: Proposed Changes to an Existing Program

Insert here a statement of the exact changes to be made: Adding a course to concentration C of the FHNH area curriculum. The course being added is Principles of Tourism, HESC 2643. General Electives will be reduced from 8-18 hours to 5-15 hours.

HESC 2643 Principles of Tourism.

Check all the boxes that apply and complete the required sections of the form:

Change of Name and Code (Complete only sections I, II, V and VII.)

- Change Course Requirements: (Complete all sections of the form except "Proposed Name" in II, section III, and section IV.)
- Change Delivery Site/Method (Complete all sections of the form except "Proposed Name" in II, section III, and section IV.)
- Change Total Hours (Complete all sections of the form except "Proposed Name" in II, section III, and section IV.)

SECTION VI: Justification

Justify this change and state its likely effect on any other degree program (including those outside the school or college). Identify any program or program components (other than courses) to be eliminated if this program is implemented. (Program and course change forms must also be submitted for such related changes.)

Tourism has been added as a component of the hospitality management curriculum. This entry level course will provide students with basic elements of tourism management and the foundations of the tourism industry. This course will better prepare students for jobs in all areas of the hospitality industry.

SECTION VII: Catalog Text and Format

Insert the current catalog text, with proposed changes identified in Section V inserted and tracked in Microsoft Word. Be sure that all proposed changes are inserted and tracked. Only changes explicitly stated in Section V will be considered for approval by the University Course and Programs Committee, the Graduate Council and the Faculty Senate.

Include the following elements, in order, in the catalog text for proposed undergraduate program(s) or program changes:

- State complete major/program name
- Briefly define or describe the major/program or discipline.
- Identify typical career goals or paths for graduates. (Optional)
- State admission requirements (if any) for entry or entry into upper/advanced level of major/program.
- Identify location in catalog of university, college/school, and department/program requirements which the student must meet in addition to hours in the major, but do not restate these requirements.
- State course requirements in the major and any allied areas, giving number of hours and specific courses; specify electives or elective areas and give numbers of hours and courses in elective pools or categories; identify any other course requirements.
- State any other requirements (required GPA, internship, exit exam, project, thesis, etc.).
- Identify name and requirements for each concentration (if any).
- Specify whether a minor or other program component is allowed or required and provide details.

For minors, state requirements in terms of hours, required courses, electives, etc.

For graduate program/units, include elements (as needed) parallel to those listed for undergraduate programs above.

For Law School program/units, prepare text consistent with current catalog style.

For centers, prepare text consistent with current catalog style.

Old Catalog Copy: (tracking feature did not work)

Food, Human Nutrition, and Hospitality (FHNH)

Janet M. Noble

Area Coordinator

215 Home Economics Bldg.

479-575-4700

The curriculum in Food, Human Nutrition, and Hospitality allows students to prepare for a career in a specialized area of foods and nutrition by completing a common set of basic courses and one of the concentrations:

A: Dietetics (DIET)

B: General Human Nutrition (GHNU), and

C: Hospitality and Restaurant Management (HRMN).

Interest and aptitude for the biological and physical sciences that support nutrition science are needed to complete concentrations in Dietetics and General Human Nutrition successfully. Hospitality and Restaurant Management is the best choice for those students who have an interest in management and who enjoy working with people.

Dietetics (DIET)

Dietetics is for the student who intends to become a registered dietitian (RD). Courses required include those necessary as prerequisites to a dietetic internship. An internship is required for eligibility to take the national registration examination and for eligibility for licensure. Students who complete the program with a minimum grade-point average of 3.0 may apply for an internship. Upon licensure, students practice as registered dietitians in the health care field or as consulting dietitians in private practice, sports nutrition, or in wellness and health maintenance centers. Students with lower GPAs may apply for supervised practice programs leading to the dietetic technician registered (DTR) certification.

Dietetics Degree Requirements

English/Communications (12-15 hours)

English University Core Courses (6 hours)

COMM 1313 Fundamentals of Communication

ENGL 2003 Advanced Composition or Exemption Elective

– See page 41 for exemption information

ENGL 3053 Technical and Report Writing or JOUR 3123

Feature Writing or AGED 3142/3141L Agri Communications with lab

Mathematics University Core Course (3 hours)

MATH 1203 College Algebra or MATH 1213 Plane Trigonometry

Science University Core Courses and Departmental Requirements (24-27 hours)

CHEM 1103/1101L University Chemistry I with lab and CHEM

1123/1121L University Chemistry II with lab

BIOL 1543/1541L Principles of Biology with lab and

ANSC 3032 Animal Physiology I and ANSC 3042 Animal Physiology II

CHEM 2613/2611L Organic Physiological Chemistry with lab

CHEM 3813 Organic Chemistry II

BIOL 2013/2011L General Microbiology with lab

Fine Arts/Humanities University Core Courses (6 hours)

Select 3 hours from “State Minimum Arts/Humanities Core”

(sections b, c, or d) – See page 40

US History University Core Course (3 hours)

Social Sciences University Core Courses (9 hours)

HESC 2413 Family Relations

PSYC 2003 General Psychology

Social Science University Core Elective (3 hours)

DIET Major Requirements:

Physical Education (2 hours)

Human Environmental Sciences (50 hours)

HESC 1201 Introduction to Dietetics and Nutrition

HESC 1501 Orientation to HESC

HESC 1213 Nutrition in Health

HESC 2112/2111L Foods I with lab

HESC 3203 Nutrition for Health Professionals and Educators

HESC 3213 Dietetic and Nutrition Practice: Tools

& Applications

HESC 3604 Food Preparation for the Hospitality Industry

HESC 3653 Food Systems Management

HESC 4103 Experimental Foods

HESC 4213 Advanced Nutrition

HESC 4223 Nutrition During the Life Cycle

HESC 4243 Community Nutrition

HESC 425V Food and Nutrition Seminar (1 hour)

AGST 4023 Principles of Experimentation or Equivalent Elective

HESC 4264/4260L Medical Nutrition Therapy I with lab

HESC 4273 Medical Nutrition Therapy II
HESC 4613 Food Service Purchasing
HESC 4623 Selection and Layout of Food Service Equipment
General Electives (9-15 hours)

Recommend:

HESC 2203 Nutrition for Exercise & Sport
KINS 3153 Exercise Physiology
PHIL 2103 Introduction to Ethics
ARTS 1313 Two Dimensional Design

124 Total Hours

General Foods and Nutrition (GFNU)

Students taking this concentration are encouraged to select an approved minor from the Bumpers, Walton, or Fulbright colleges or plan other combinations of courses to prepare for non-traditional vocations including work in community or government sponsored programs, wellness and health maintenance centers, public relations in the food industry, TV/media outlets for food and nutrition information, and international food or nutritional programs.

General Foods & Nutrition Requirements:

English/Communications (12-15 hours)

English University Core courses (6 hours)

ENGL 2003 Advanced Composition or Exemption Elective

– See page 41 for exemption information

COMM 1313 Fundamentals of Communication

Communication Intensive Elective – ENGL 3053 Technical and

Report Writing or JOUR 3123 Feature Writing or

AGED 3142/3141L Agri Communications with lab

Mathematics University Core Course (3 hours)

Science University Core Courses and Departmental Requirements

(27 hours)

CHEM 1103/1101L University Chemistry I with lab

CHEM 1123/1121L University Chemistry II with lab

CHEM 2613/2611L Organic Physiological Chemistry with lab

CHEM 3813 Introduction to Biochemistry

BIOL 2013/2011L General Microbiology with lab

Select either: BIOL 2213/2211L Human Physiology with lab

and BIOL 2443/2441L Human Anatomy with lab

or BIOL 1543/1541L Principles of Biology with lab and

ANSC 3032 Animal Physiology I and ANSC 3042 Animal

Physiology II

Fine Arts/Humanities University Core Courses (6 hours)

Select in two categories from “State Minimum Arts/Humanities

Core” (sections a, b, c, or d) – See page 40

US History University Core Course (3 hours)

Social Sciences University Core Courses (9 hours)

PSYC 2003 General Psychology

HESC 2413 Family Relations

Select a 3-hr economic course from “State Minimum Core”

– See page 40

GFNU Major Requirements (37-39 hours)

HESC 1201 Introduction to Dietetics and Nutrition or HESC

1603 Introduction to Hospitality Management

HESC 1501 Orientation to HESC

HESC 1213 Nutrition in Health

HESC 2112/2111L Foods I with lab

HESC 2203 Nutrition for Exercise and Sport

HESC 3203 Nutrition for Health Professionals and Educators

HESC 3213 Dietetic and Nutrition Practices: Tools and

Applications

HESC 3604 Food Preparation for the Hospitality Industry

HESC 3653 Food Systems Management

HESC 4103 Experimental Foods

HESC 4213 Advanced Nutrition

HESC 4223 Nutrition During the Life Cycle

HESC 4243 Community Nutrition

HESC 425V Food and Nutrition Seminar (1 hour)

Physical Education (2 hours)

General Electives (20-25 hours)

124 Total Hours

Hospitality and Restaurant Management (HRMN): Students in the hospitality and restaurant management concentration prepare themselves for managerial positions in the restaurant and hospitality industry. This dynamic curriculum provides students with skills in foods and business, as well as hospitality and restaurant management. Students have the opportunity to manage and operate a restaurant on campus. Students obtain hands-on experience by completing 1,000 hours of satisfactory, verifiable work experience in the hospitality and restaurant industry, usually completed during the summer and on part-time jobs during the school year. This noncredit work experience must be completed prior to graduation. A management internship, which allows students to acquire practical management experience and specialized knowledge from supervised work in a hotel, restaurant, or other hospitality-related business, is also part of this degree. Students in this program can complete a minor in business.

Hospitality and Restaurant Management Degree Requirements:

English/Communications (12-15 hours)

English University Core courses (6 hours)

ENGL 2003 Advanced Comp or Exemption Elective – See page 41 for exemption information

COMM 1313 Fundamentals of Communication

Communication Intensive Course - AGED 3142/3141L Agri Communications with lab

Mathematics University Core Course (3 hours) and

WCOB 1120 Computer Competency Requirement or Equivalent Science University Core Courses and Departmental Requirements (8-9 hours)

University Core CHEM 1103/1101L University Chemistry I with lab and

University Core CHEM 1123/1121L University Chemistry II with lab or

BIOL 1543/1541L Principles of Biology with lab and

CHEM 1074/1071L Fundamentals of Chemistry with lab

Fine Arts/Humanities University Core Courses (6 hours)

Select in two categories from “State Minimum Arts/Humanities Core” (sections a, b, c, or d) – See page 40

US History University Core Course (3 hours)

Social Sciences University Core Courses (9 hours)

PSYC 2003 General Psychology

HESC 2413 Family Relations

ECON 2143 Basic Economics

HRMN Major Requirements (17 hours)

HESC 1501 Orientation to HESC

HESC 1213 Nutrition in Health

HESC 2112/2111L Foods I with lab

HESC 3604 Food Preparation for the Hospitality Industry

HESC 3653 Food Systems Management

HESC 4103 Experimental Foods

Additional Requirements (46-52 hours)

HESC 1601 Work Experience Practicum (1-4 hours)

HESC 1603 Introduction to Hospitality and Restaurant Management

HESC 2123 Catering Management with lab

HESC 2623 Legal Issues in Hospitality Industry with lab or Equivalent

HESC 2633 Introduction to Hotel Operations

HESC 3613 Resort Management

HESC 3633 Front Office Management

HESC 4613 Food Service Purchasing

HESC 4623 Selection and Layout of Food Service Equipment

HESC 4633 Advanced Hotel Operations

HESC 4643 Convention and Meeting Management

HESC 4653 Global Travel and Tourism Management

HESC 4693 Hospitality Management Internship (3-6 hours)

FDSC 2503 Food Safety/Sanitation

AGEC 2143 Ag Financial Records or Equivalent

AGEC 3303 Food & AG Marketing or Equivalent

Physical Education (2 hours)

General Electives (8-18 hours) – Recommend foreign language (6 hours), HLSC 3633 First Responder-First Aid

124 Total Hours

Food, Human Nutrition and Hospitality Eight-Semester Degree Program

Students wishing to follow the degree plan in Food, Human Nutrition and Hospitality should see page 42 in the Academic Regulations section for university requirements of the program. The Food, Human Nutrition and Hospitality major has three concentrations: Dietetics; General Human Nutrition, and Hospitality and Restaurant Management. Specific courses for all concentrations are available in Section 2 of the Catalog of Studies, available at <http://catalogofstudies.uark.edu>. A description of HESC courses is listed on page 358.

Dietetics Concentration

Fall Semester 1

4 CHEM 1103/1101L University Chemistry I with lab

3 MATH 1203 College Algebra or MATH 1213 Plane

Trigonometry

1 HESC 1501 Orientation to HESC

1 HESC 1201 Introduction to Dietetics & Nutrition

3 HESC 1213 Nutrition in Health

3 ENGL 1013 Composition I

1 PEAC or DEAC Elective

16 semester hours

Spring Semester 1

4 CHEM 1123/1121L University Chemistry II with lab

3 ENGL 1023 Composition II

4 BIOL 1543/1541L Principles of Biology with lab

3 Elective – Rec: HESC 2203 Nutrition for Exercise and Sport or Elective

3 Fine Arts & Humanities University Core

17 semester hours

Fall Semester 2

3 HESC 2112/211L Foods I

2 ANSC 3032 Animal Physiology I

3 PSYC 2003 General Psychology

3 ENGL 2003 Advanced Composition or Exemption Elective

3 COMM 1313 Fundamentals of Communication

1 PEAC or DEAC

15 semester hours

Spring Semester 2

4 CHEM 2613/ 2611L Organic Physiological Chemistry

3 HESC 2413 Family Relations

2 ANSC 3042 Animal Physiology II

3 HESC 3203 Nutrition for the Health Professional & Educator

3 Fine Arts & Humanities University Core

15 semester hours

Fall Semester 3

3 CHEM 3813 Organic Chemistry II

4 HESC 3604/3600L Food Preparation for the Hospitality Industry with lab

3 HESC 3213 Dietetic & Nutrition Practices

3 HESC 3653 Food Systems Management

3 General Elective

16 semester hours

Spring Semester 3

4 BIOL 2013/2011L Microbiology with lab (BIOL 1543/1541L and 2 semesters of general chemistry)

3 Communications Intensive Elective: ENGL 3053 Technical and Report Writing, JOUR 3123 Feature Writing or AGED

3142/3141L Agri Communications

3 AGST 4023 Principles of Experimentation or Equivalent Elective

3 HESC 4103/4100L Experimental Foods with lab

3 US History University Core Elective

16 semester hours

Fall Semester 4

3 HESC 4213 Advanced Nutrition

3 HESC 4613 Food Service Purchasing

4 HESC 4264/4260L Medical Nutrition Therapy I

3 HESC 4223 Nutrition During the Life Cycle

3 Social Science Core Elective

16 semester hours

Spring Semester 4

3 HESC 4273 Medical Nutrition Therapy II

3 HESC 4623 Selection & Layout of Food Service Equipment

1 HESC 425V Food and Nutrition Seminar

3 HESC 4243 Community Nutrition.

3 General Elective

13 semester hours

124 Total Hours

New Catalog Copy:

Food, Human Nutrition, and Hospitality (FHNH)

Marjorie E. Fitch-Hilgenberg

Area Coordinator

24 Home Economics Bldg.

479-575-6815

The curriculum in Food, Human Nutrition, and Hospitality allows students to prepare for a career in a specialized area of foods and nutrition by completing a common set of basic courses and one of the concentrations:

A: Dietetics (DIET)

B: General Human Nutrition (GHNU), and

C: Hospitality and Restaurant Management (HRMN).

Interest and aptitude for the biological and physical sciences that support nutrition science are needed to complete concentrations in Dietetics and General Human Nutrition successfully. Hospitality and Restaurant Management is the best choice for those students who have an interest

in management and who enjoy working with people.

Concentration A: Dietetics (DIET)

Dietetics is for the student who intends to become a registered dietitian (RD). Courses required include those necessary as prerequisites to a dietetic internship. An internship is required for eligibility to take the national registration examination and for eligibility for licensure. Students who complete the program with a minimum grade-point average of 3.0 may apply for an internship. Upon licensure, students practice as registered dietitians in the health care field or as consulting dietitians in private practice, sports nutrition, or in wellness and health maintenance centers. Students with lower GPAs may apply for supervised practice programs leading to the dietetic technician registered (DTR) certification.

Dietetics Degree Requirements

English/Communications (12-15 hours)

English University Core Courses (6 hours)

COMM 1313 Fundamentals of Communication

ENGL 2003 Advanced Composition or Exemption Elective

– See page 41 for exemption information

ENGL 3053 Technical and Report Writing or JOUR 3123

Feature Writing or AGED 3142/3141L Agri Communications with lab

Mathematics University Core Course (3 hours)

MATH 1203 College Algebra or MATH 1213 Plane Trigonometry

Science University Core Courses and Departmental Requirements (24-27 hours)

CHEM 1103/1101L University Chemistry I with lab and CHEM

1123/1121L University Chemistry II with lab

BIOL 1543/1541L Principles of Biology with lab and

ANSC 3032 Animal Physiology I and ANSC 3042 Animal

Physiology II

CHEM 2613/2611L Organic Physiological Chemistry with lab

CHEM 3813 Organic Chemistry II

BIOL 2013/2011L General Microbiology with lab

Fine Arts/Humanities University Core Courses (6 hours)

Select 3 hours from “State Minimum Arts/Humanities Core”

(sections b, c, or d) – See page 40

US History University Core Course (3 hours)

Social Sciences University Core Courses (9 hours)

HESC 2413 Family Relations

PSYC 2003 General Psychology

Social Science University Core Elective (3 hours)

DIET Major Requirements:

Physical Education (2 hours)

Human Environmental Sciences (50 hours)

HESC 1201 Introduction to Dietetics and Nutrition

HESC 1501 Orientation to HESC

HESC 1213 Nutrition in Health

HESC 2112/2111L Foods I with lab

HESC 3203 Nutrition for Health Professionals and Educators

HESC 3213 Dietetic and Nutrition Practice: Tools

& Applications

HESC 3604 Food Preparation for the Hospitality Industry

HESC 3653 Food Systems Management

HESC 4103 Experimental Foods

HESC 4213 Advanced Nutrition

HESC 4223 Nutrition During the Life Cycle

HESC 4243 Community Nutrition

HESC 425V Food and Nutrition Seminar (1 hour)

AGST 4023 Principles of Experimentation or Equivalent Elective

HESC 4264/4260L Medical Nutrition Therapy I with lab

HESC 4273 Medical Nutrition Therapy II

HESC 4613 Food Service Purchasing

HESC 4623 Selection and Layout of Food Service Equipment

General Electives (9-15 hours)

Recommend:

HESC 2203 Nutrition for Exercise & Sport

KINS 3153 Exercise Physiology

PHIL 2103 Introduction to Ethics

ARTS 1313 Two Dimensional Design

124 Total Hours

Concentration B: General Foods and Nutrition (GFNU)

Students taking this concentration are encouraged to select an approved minor from the Bumpers, Walton, or Fulbright colleges or plan other combinations of courses to prepare for non-traditional vocations including work in community or government sponsored programs, wellness and health maintenance centers, public relations in the food industry, TV/media outlets for food and nutrition information, and international food or nutritional programs.

General Foods & Nutrition Requirements:

English/Communications (12-15 hours)

English University Core courses (6 hours)

ENGL 2003 Advanced Composition or Exemption Elective

– See page 41 for exemption information

COMM 1313 Fundamentals of Communication

Communication Intensive Elective – ENGL 3053 Technical and

Report Writing or JOUR 3123 Feature Writing or

AGED 3142/3141L Agri Communications with lab

Mathematics University Core Course (3 hours)

Science University Core Courses and Departmental Requirements (27 hours)

CHEM 1103/1101L University Chemistry I with lab

CHEM 1123/1121L University Chemistry II with lab

CHEM 2613/2611L Organic Physiological Chemistry with lab

CHEM 3813 Introduction to Biochemistry

BIOL 2013/2011L General Microbiology with lab

Select either: BIOL 2213/2211L Human Physiology with lab

and BIOL 2443/2441L Human Anatomy with lab

or BIOL 1543/1541L Principles of Biology with lab and

ANSC 3032 Animal Physiology I and ANSC 3042 Animal

Physiology II

Fine Arts/Humanities University Core Courses (6 hours)

Select in two categories from “State Minimum Arts/Humanities Core” (sections a, b, c, or d) – See page 40

US History University Core Course (3 hours)

Social Sciences University Core Courses (9 hours)

PSYC 2003 General Psychology

HESC 2413 Family Relations

Select a 3-hr economic course from “State Minimum Core”

– See page 40

GFNU Major Requirements (37-39 hours)

HESC 1201 Introduction to Dietetics and Nutrition or HESC

1603 Introduction to Hospitality Management

HESC 1501 Orientation to HESC

HESC 1213 Nutrition in Health

HESC 2112/2111L Foods I with lab

HESC 2203 Nutrition for Exercise and Sport

HESC 3203 Nutrition for Health Professionals and Educators

HESC 3213 Dietetic and Nutrition Practices: Tools and Applications
HESC 3604 Food Preparation for the Hospitality Industry
HESC 3653 Food Systems Management
HESC 4103 Experimental Foods
HESC 4213 Advanced Nutrition
HESC 4223 Nutrition During the Life Cycle
HESC 4243 Community Nutrition
HESC 425V Food and Nutrition Seminar (1 hour)
Physical Education (2 hours)
General Electives (20-25 hours)
124 Total Hours

Concentration C: Hospitality and Restaurant Management (HRMN): Students in the hospitality and restaurant management concentration prepare themselves for managerial positions in the restaurant and hospitality industry. This dynamic curriculum provides students with skills in foods and business, as well as hospitality and restaurant management. Students have the opportunity to manage and operate a restaurant on campus. Students obtain hands-on experience by completing 1,000 hours of satisfactory, verifiable work experience in the hospitality and restaurant industry, usually completed during the summer and on part-time jobs during the school year. This noncredit work experience must be completed prior to graduation. A management internship, which allows students to acquire practical management experience and specialized knowledge from supervised work in a hotel, restaurant, or other hospitality-related business, is also part of this degree. Students in this program can complete a minor in business.

Hospitality and Restaurant Management Degree Requirements:

English/Communications (12-15 hours)

English University Core courses (6 hours)

ENGL 2003 Advanced Comp or Exemption Elective – See page 41 for exemption information

COMM 1313 Fundamentals of Communication

Communication Intensive Course - AGED 3142/3141L Agri Communications with lab

Mathematics University Core Course (3 hours) and

WCOB 1120 Computer Competency Requirement or Equivalent Science University Core Courses and Departmental Requirements (8-9 hours)

University Core CHEM 1103/1101L University Chemistry I with lab and

University Core CHEM 1123/1121L University Chemistry II with lab or

BIOL 1543/1541L Principles of Biology with lab and

CHEM 1074/1071L Fundamentals of Chemistry with lab

Fine Arts/Humanities University Core Courses (6 hours)

Select in two categories from “State Minimum Arts/Humanities Core” (sections a, b, c, or d) – See page 40

US History University Core Course (3 hours)

Social Sciences University Core Courses (9 hours)

PSYC 2003 General Psychology

HESC 2413 Family Relations

ECON 2143 Basic Economics

HRMN Major Requirements (17 hours)

HESC 1501 Orientation to HESC

HESC 1213 Nutrition in Health

HESC 2112/2111L Foods I with lab

HESC 3604 Food Preparation for the Hospitality Industry

HESC 3653 Food Systems Management

HESC 4103 Experimental Foods

Additional Requirements (46-52 hours)
HESC 1601 Work Experience Practicum (1-4 hours)
HESC 1603 Introduction to Hospitality and Restaurant Management
HESC 2123 Catering Management with lab
HESC 2623 Legal Issues in Hospitality Industry with lab or Equivalent
HESC 2633 Introduction to Hotel Operations
HESC 2643 Principles of Tourism
HESC 3613 Resort Management
HESC 3633 Front Office Management
HESC 4613 Food Service Purchasing
HESC 4623 Selection and Layout of Food Service Equipment
HESC 4633 Advanced Hotel Operations
HESC 4643 Convention and Meeting Management
HESC 4653 Global Travel and Tourism Management
HESC 4693 Hospitality Management Internship (3-6 hours)
FDSC 2503 Food Safety/Sanitation
AGEC 2143 Ag Financial Records or Equivalent
AGEC 3303 Food & AG Marketing or Equivalent
Physical Education (2 hours)
General Electives (5-15 hours) – Recommend foreign language (6 hours), HLSC 3633 First Responder-First Aid
124 Total Hours

Food, Human Nutrition and Hospitality Eight-Semester Degree Program

Students wishing to follow the degree plan in Food, Human Nutrition and Hospitality should see page 42 in the Academic Regulations section for university requirements of the program. The Food, Human Nutrition and Hospitality major has three concentrations: Dietetics; General Human Nutrition, and Hospitality and Restaurant Management. Specific courses for all concentrations are available in Section 2 of the Catalog of Studies, available at <http://catalogofstudies.uark.edu>. A description of HESC courses is listed on page 358.

Dietetics Concentration

Fall Semester 1

4 CHEM 1103/1101L University Chemistry I with lab

3 MATH 1203 College Algebra or MATH 1213 Plane

Trigonometry

1 HESC 1501 Orientation to HESC

1 HESC 1201 Introduction to Dietetics & Nutrition

3 HESC 1213 Nutrition in Health

3 ENGL 1013 Composition I

1 PEAC or DEAC Elective

16 semester hours

Spring Semester 1

4 CHEM 1123/1121L University Chemistry II with lab

3 ENGL 1023 Composition II

4 BIOL 1543/1541L Principles of Biology with lab

3 Elective – Rec: HESC 2203 Nutrition for Exercise and Sport or

Elective

3 Fine Arts & Humanities University Core

17 semester hours

Fall Semester 2

3 HESC 2112/211L Foods I

2 ANSC 3032 Animal Physiology I

3 PSYC 2003 General Psychology

3 ENGL 2003 Advanced Composition or Exemption Elective

3 COMM 1313 Fundamentals of Communication

1 PEAC or DEAC

15 semester hours

Spring Semester 2

4 CHEM 2613/ 2611L Organic Physiological Chemistry

3 HESC 2413 Family Relations

2 ANSC 3042 Animal Physiology II

3 HESC 3203 Nutrition for the Health Professional & Educator

3 Fine Arts & Humanities University Core

15 semester hours

Fall Semester 3

3 CHEM 3813 Organic Chemistry II

4 HESC 3604/3600L Food Preparation for the Hospitality Industry with lab

3 HESC 3213 Dietetic & Nutrition Practices

3 HESC 3653 Food Systems Management

3 General Elective

16 semester hours

Spring Semester 3

4 BIOL 2013/2011L Microbiology with lab (BIOL 1543/1541L and 2 semesters of general chemistry)

3 Communications Intensive Elective: ENGL 3053 Technical and Report Writing, JOUR 3123 Feature Writing or AGED

3142/3141L Agri Communications

3 AGST 4023 Principles of Experimentation or Equivalent Elective

3 HESC 4103/4100L Experimental Foods with lab

3 US History University Core Elective

16 semester hours

Fall Semester 4

3 HESC 4213 Advanced Nutrition

3 HESC 4613 Food Service Purchasing

4 HESC 4264/4260L Medical Nutrition Therapy I

3 HESC 4223 Nutrition During the Life Cycle

3 Social Science Core Elective

16 semester hours

Spring Semester 4

3 HESC 4273 Medical Nutrition Therapy II

3 HESC 4623 Selection & Layout of Food Service Equipment

1 HESC 425V Food and Nutrition Seminar

3 HESC 4243 Community Nutrition.

3 General Elective

13 semester hours

124 Total Hours

SECTION VIII: Action Recorded by Registrar's Office

PROGRAM INVENTORY/DARS

PGRM _____ SUBJ _____ CIP _____ CRTS _____

DGRE _____ PGCT _____ OFFC&CRTY VALID _____

REPORTING CODES

PROG. DEF. _____ REQ. DEF. _____
Initials _____ Date _____

Distribution

Notification to:

(1) College (2) Department (3) Admissions (4) Institutional Research (5) Continuing Education (6) Graduate School
(7) Treasurer (8) Undergraduate Program Committee Initials _____ Date _____

University Course and Programs Committee
17-Nov-06

TABLE ONE

Bumpers College of Agricultural, Food and Life Sciences

School of Human Environmental Sciences

HDFSBS - Human Development, Family Sciences and Rural Sociology - Attachment 1A
Proposal eliminates computer course requirement and increases general electives as specified in Section V of the attachment.

FHNHBS - Food, Human Nutrition, and Hospitality - Attachment 1B
Proposal adds course HESC 2643 as a requirement and reduces the hours of general electives as specified in Section V of the attachment.

TABLE TWO

Fulbright College of Arts and Sciences

The Walter J. Lemke Department of Journalism

JOURBA - Adding prerequisite requirement for JOUR 1033 - Attachment 2A
Course is required by several other degree programs. The change is specified in Section V of the attachment.

TABLE THREE

Undergraduate Interdisciplinary Programs

Microelectronics - Photonics

MEPH - Minor - Minor in Microelectronics-Photonics - Attachments 3A and 3B
Proposal creates a new undergraduate minor in Microelectronics-Photonics as specified in Attachment 3A.

TABLE FOUR

Walton College of Business

All undergraduate honors programs - Attachment 4A
Proposal permits 1000 and 2000 level WCOB honors courses to count towards completion of the Walton Scholars or Departmental Scholars programs as specified in Section V of the attachment.

Department of Management

ENTRGC - Adding Graduate Certificate - Attachments 4B and 4C
Proposal to add Graduate Certificate in Entrepreneurship. All courses utilized by the program outside of the Business College have been approved by the other Colleges. Proposal is described in Attachment 4B.

PAGE TWO

UCPC November 17, 2006 (Continued)

TABLE FIVE

College of Education and Health Professions

Department of Curriculum and Instruction

MLEDMA - Eliminate program - Attachments 5A and 5B

Eliminate the MAT in Middle Level Education as specified in Attachment 5A.

**ATTACHMENT 2A
ADD, CHANGE OR DELETE PROGRAM OR UNIT**

Complete this form consistent with the instructions in Academic Policy 1622.20. Use the form to add, change, or delete a program or unit. Proposed additions and changes must be consistent with Academic Policies 1100.40 and 1621.10 and any other policies which apply.

SECTION I: Approvals

Department / Program Chair _____	Date Submitted _____	Faculty Senate Chair _____	Date _____
College Dean _____	Date _____	Provost _____	Date _____
University Course and Programs Committee _____	Date _____	Board of Trustees Approval/Notification Date _____	
Graduate Council Chair _____	Date _____	Arkansas Higher Education Coordinating Board Approval/Notification Date _____	

SECTION II: Profile Data - Required Information and Name Change Information

Academic Unit: Major/Field of Study Minor Other Unit _____

Level: Undergraduate Graduate Law Effective Catalog Year **2007-2008**

Current Name _____

College, School, Division **ARSC** Department Code **JOUR**

Current Code (6 digit Alpha) **JOURBA** Proposed Code (6 digit Alpha) _____
Prior approval from the Office of the Registrar is required.

Interdisciplinary Program CIP Code **09.0401**
Prior assignment from Office of Institutional Research is required.

Proposed Name _____
When a program name is changed, enrollment of current students reflects the new name.

SECTION III: Add a New Program/Unit

For new program proposals, complete Sections II and VII and use as a cover sheet for a full program proposal as described in 'Criteria and Procedures for Preparing Proposals for New Programs in Arkansas.' ADHE <<http://www.adhe.arknet.edu.aadept.html>>.

SECTION IV: Eliminate an Existing Program/Unit

Code/Name _____ Effective Catalog Year _____

No new students admitted to program after Term: ____ Year: _____

Allow students in program to complete under this program until Term: ____ Year: _____

SECTION V: Proposed Changes to an Existing Program

Insert here a statement of the exact changes to be made: **We are adding a prerequisite to JOUR 1033 (Fundamentals of Journalism) of scoring a minimum of 75 percent on a Grammar-Spelling-Punctuation test.**

Check all the boxes that apply and complete the required sections of the form:

- Change of Name and Code (Complete only sections I, II, V and VII.)
- Change Course Requirements: (Complete all sections of the form except "Proposed Name" in II, section III, and section IV.)
- Change Delivery Site/Method (Complete all sections of the form except "Proposed Name" in II, section III, and section

IV.)

Change Total Hours (Complete all sections of the form except "Proposed Name" in II, section III, and section IV.)

SECTION VI: Justification

Justify this change and state its likely effect on any other degree program (including those outside the school or college). Identify any program or program components (other than courses) to be eliminated if this program is implemented. (Program and course change forms must also be submitted for such related changes.)

The course change being requested is to establish a prerequisite to JOUR 1033 so that students must score 75 percent or better on a widely used journalistic grammar skills test before they are allowed to register for the course. Students would have three chances to pass the exam and tutoring will be available for those who need to take the exam more than once.

The change addresses a specific problem affecting the course as it is now taught. About 120 students per semester take the course and they have widely varying skills in grammar. Many of them have not had grammar since the fifth grade; some have come directly from AP English courses. The change will insure that the students have a more consistent level of skills, so that the course does not have to concentrate on remedial grammar instruction, and it will help students identify weaknesses in their own skills so that they can work to improve them before repeating the exam.

This change will affect the following programs: Agricultural Communications (ACOM), Agricultural Education (AGED), Combined Journalism/English and Journalism/Political Science. JOUR 1033 is required for those programs. Administrators of those programs have been notified.

SECTION VII: Catalog Text and Format

Insert the current catalog text, with proposed changes identified in Section V inserted and tracked in Microsoft Word. Be sure that all proposed changes are inserted and tracked. Only changes explicitly stated in Section V will be considered for approval by the University Course and Programs Committee, the Graduate Council and the Faculty Senate.

Include the following elements, in order, in the catalog text for proposed undergraduate program(s) or program changes:

- State complete major/program name
- Briefly define or describe the major/program or discipline.
- Identify typical career goals or paths for graduates. (Optional)
- State admission requirements (if any) for entry or entry into upper/advanced level of major/program.
- Identify location in catalog of university, college/school, and department/program requirements which the student must meet in addition to hours in the major, but do not restate these requirements.
- State course requirements in the major and any allied areas, giving number of hours and specific courses; specify electives or elective areas and give numbers of hours and courses in elective pools or categories; identify any other course requirements.
- State any other requirements (required GPA, internship, exit exam, project, thesis, etc.).
- Identify name and requirements for each concentration (if any).
- Specify whether a minor or other program component is allowed or required and provide details.

For minors, state requirements in terms of hours, required courses, electives, etc.

For graduate program/units, include elements (as needed) parallel to those listed for undergraduate programs above.

For Law School program/units, prepare text consistent with current catalog style.

For centers, prepare text consistent with current catalog style.

Current Catalog Text on JOUR 1033 from the Requirements for a B.A. degree in Journalism:

Requirements for a B.A. degree in Journalism: A minimum of 33 semester hours in journalism, including JOUR 1023, JOUR 1033, and JOUR 3633. Note that a minimum grade of 'C' is required in all journalism courses that serve as prerequisites for advanced journalism courses. In certain courses a minimum grade of 'B' is required. Also required is ENGL 2013. Students must select a sequence when they enter the department. Specific courses in addition to the journalism courses are required only for the advertising/public relations sequence. The requirements for each sequence are as follows:

Proposed Catalog Text

Requirements for a B.A. degree in Journalism: A minimum of 33 semester hours in journalism, including JOUR 1023, JOUR 1033, and JOUR 3633. Note that all students intending to register for JOUR 1033 must first take a Grammar-Spelling-Punctuation (GSP) text and make a grade of at least 75 percent. Contact the Journalism Department office for information on scheduling the GSP test. Note that a minimum grade of 'C' is required in all journalism courses that serve as prerequisites for advanced journalism courses. In certain courses a minimum grade of 'B' is required. Also required is ENGL 2013. Students must select a sequence when they enter the department. Specific courses in addition to the journalism courses are required only for the advertising/public relations sequence. The requirements for each sequence are as follows:

SECTION VIII: Action Recorded by Registrar's Office

PROGRAM INVENTORY/DARS

PGRM _____ SUBJ _____ CIP _____ CRTS _____
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University Course and Programs Committee
17-Nov-06

TABLE ONE
Bumpers College of Agricultural, Food and Life Sciences

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Proposal adds course HESC 2643 as a requirement and reduces the hours of general electives as specified in Section V of the attachment.

TABLE TWO
Fulbright College of Arts and Sciences

The Walter J. Lemke Department of Journalism

JOURBA - Adding prerequisite requirement for JOUR 1033 - Attachment 2A
Course is required by several other degree programs. The change is specified in Section V of the attachment.

TABLE THREE
Undergraduate Interdisciplinary Programs

Microelectronics - Photonics

MEPH - Minor - Minor in Microelectronics-Photonics - Attachments 3A and 3B
Proposal creates a new undergraduate minor in Microelectronics-Photonics as specified in Attachment 3A.

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All undergraduate honors programs - Attachment 4A
Proposal permits 1000 and 2000 level WCOB honors courses to count towards completion of the Walton Scholars or Departmental Scholars programs as specified in Section V of the attachment.

Department of Management

ENTRGC - Adding Graduate Certificate - Attachments 4B and 4C
Proposal to add Graduate Certificate in Entrepreneurship. All courses utilized by the program outside of the Business College have been approved by the other Colleges. Proposal is described in Attachment 4B.

PAGE TWO

UCPC November 17, 2006 (Continued)

TABLE FIVE

College of Education and Health Professions

Department of Curriculum and Instruction

MLEDMA - Eliminate program - Attachments 5A and 5B

Eliminate the MAT in Middle Level Education as specified in Attachment 5A.

IV.)

Change Total Hours (Complete all sections of the form except "Proposed Name" in II, section III, and section IV.)

SECTION VI: Justification

Justify this change and state its likely effect on any other degree program (including those outside the school or college). Identify any program or program components (other than courses) to be eliminated if this program is implemented. (Program and course change forms must also be submitted for such related changes.)

Background

The interdisciplinary science/engineering graduate program in Microelectronics-Photonics (microEP) was created at the University of Arkansas in the fall of 1998 to merge traditional graduate research and educational excellence with specific training in operational effectiveness methods, intra and entrepreneurial skills, and teaming and group dynamics practice. The primary traditional departments that were partnered in this effort included Electrical Engineering, Mechanical Engineering, Chemical Engineering, Physics, Chemistry, and Management. The M.S. microEP was fully approved in summer 1999, and the Ph.D. microEP was fully approved in summer 2000.

The specific elements for microEP students' career preparation were (1) academic excellence in courses that would directly support a student's professional performance, (2) research excellence in an area that would provide practice of the academic knowledge being gained through coursework, and (3) operational excellence in both the execution of graduate research and in management skills needed in early professional careers.

The University of Arkansas has established an international reputation at the graduate level in micro and nanomaterials, processing, and devices. This comes from individual researcher grants, large group research grants, graduate educational research grants, and administrative support of innovative educational initiatives. Graduate students from both the microEP interdisciplinary graduate program and our traditional graduate programs are now being sought after by companies in these fields.

The microEP program is now a mature program in its ninth year with sixty enrolled graduate students, sixteen graduated Ph.D. students, and forty-five graduated M.S. students. The faculty that have voluntarily joined the microEP community have developed many new courses in the microEP fields of study at the graduate level, and they are now interested in creating a similar community focus and curriculum in these fields at the undergraduate level.

Overview

This undergraduate minor in microEP will primarily target students in a science or engineering program that are planning to exit the educational process after completion of the B.S. degree and seek employment in the micro/nanoscale manufacturing industries. A secondary target student would be one preparing for graduate coursework in this area, either in a departmental program or the microEP graduate program. With this minor, University of Arkansas undergraduates in science and engineering will be able to capitalize on this world class research and education reputation as they enter the job market or compete for positions in top level graduate programs.

A review of the use of minors in our traditional undergraduate science and engineering illustrates the dual nature of a minor. A student's department has to first authorize a minor, but the department of the minor subject defines the requirements for the minor. For instance, Gay Stewart in Physics explained that all programs in Fulbright offer minors with a typical 15 - 18 credit hour requirement. Students wanting a Physics minor must take two basic courses (University Physics I and II) plus another 2-3 courses (Modern Physics, and other interest-specific courses).

The approach in Engineering is more often their students taking minors in other departments. For instance, Mechanical Engineering currently allows its students to take a minor in Business and Pre-med. Students must take the entire Minor curriculum (all or nothing) to substitute the ME Tech Electives with the Minor courses. Partial coursework in Minor does not qualify for ME degree. These students take 12 credit hours of tech electives, so if a minor program requires more than 12 hours then the student's requirements for graduation are expanded by the extra hours.

This microEP minor would follow this established model of minors already in place at the University. The minor would be defined and controlled by faculty listed in the Graduate Catalog as microEP faculty. In one sense, this would make the microEP minor an undergraduate program controlled by a Graduate School faculty group. However, every faculty member associated with microEP is appointed to a traditional department and are familiar with the needs and educational issues associated with their own departmental undergraduate degree programs (and sometimes minors).

No courses or programs will be eliminated with implementation of this minor.

Program goals and objectives

- 1) Academic excellence in courses that would directly support a student's early career professional performance
- 2) Continued migration of graduate courses based on leading edge research to the undergraduate level
- 3) Increased awareness among our undergraduate science and engineering students of the career opportunities in the areas supported by the microEP Graduate Program
- 4) Increased economic benefit from companies in these areas developing in Arkansas in response to the higher level of well-educated graduates from our BS degree programs in science and engineering

Expected student learning outcomes

- 1) A concentration of knowledge in micro/nanoscale materials, processing, and devices in a focus area matching the students' career objectives
- 2) An introduction to principles of engineering management in a technological environment
- 3) A stronger awareness of career opportunities and graduate school opportunities in this field

List of required courses

<u>ELEG 4203</u>	<u>Semiconductor Devices</u>
<u>And one of the following INEG courses</u>	
<u>INEG 4323</u>	<u>Quality Engineering and Management</u>
<u>INEG 4433</u>	<u>Systems and Engineering Management</u>
<u>INEG 4443</u>	<u>Project Management</u>

List of elective courses (students pick at least three electives with at least nine hours)

<u>BENG 4123</u>	<u>Biosensors and Bioinstrumentation</u>
<u>CHEM 4213</u>	<u>Instrumental Analysis</u>
<u>ELEG 4223</u>	<u>Design and Fabrication of Solar Cells</u>
<u>MEEG 4303</u>	<u>Materials Laboratory</u>
<u>MEEG 4443</u>	<u>Thermal and Vibration Analysis and Testing of Electronics</u>
<u>MEPH 488V</u>	<u>microEP REU Research (3 hours max)</u>
<u>PHYS 3603</u>	<u>Modern Physics – Voyage at the Nanoscale</u>
<u>PHYS 4213</u>	<u>Physics of Devices</u>
<u>PHYS 4713</u>	<u>Solid State Physics</u>

Note: New courses will be developed over time for migrating leading edge, research-based graduate level classes downward to the undergraduate level as introductory classes. These classes will typically be junior or senior level classes. Students may enroll for other appropriate courses not on this list if approved first by the microEP Graduate Program and by the course instructor.

Other academic requirements

Students accepted into the microEP minor will be required to attend an orientation session at the beginning of each semester. They will also be required to attend the monthly microEP graduate student presentations to give the students an exposure to the breadth of research on the UA campus supported by the microEP Graduate Program. Students enrolled in the microEP minor will also be required to attend at least one public presentation of a MS microEP or PhD microEP student as that student prepares to defend their thesis or dissertation.

Administration

The office of the microEP Graduate Program will manage the logistics of the microEP minor, with students applying through the microEP web site. During this application process, an applicant will identify the courses that they are proposing to meet the 15 hour requirements of the minor. They will also identify their major department's contact faculty with whom the microEP program will communicate for coordination of that student's academic records.

SECTION VII: Catalog Text and Format

Insert the current catalog text, with proposed changes identified in Section V inserted and tracked in Microsoft Word. Be sure that all proposed changes are inserted and tracked. Only changes explicitly stated in Section V will be considered for approval by the University Course and Programs Committee, the Graduate Council and the Faculty Senate.

Include the following elements, in order, in the catalog text for proposed undergraduate program(s) or program changes:

- State complete major/program name
- Briefly define or describe the major/program or discipline.
- Identify typical career goals or paths for graduates. (Optional)
- State admission requirements (if any) for entry or entry into upper/advanced level of major/program.
- Identify location in catalog of university, college/school, and department/program requirements which the student must meet in addition to hours in the major, but do not restate these requirements.
- State course requirements in the major and any allied areas, giving number of hours and specific courses; specify electives or elective areas and give numbers of hours and courses in elective pools or categories; identify any other course requirements.
- State any other requirements (required GPA, internship, exit exam, project, thesis, etc.).
- Identify name and requirements for each concentration (if any).
- Specify whether a minor or other program component is allowed or required and provide details.

For minors, state requirements in terms of hours, required courses, electives, etc.

For graduate program/units, include elements (as needed) parallel to those listed for undergraduate programs above.

For Law School program/units, prepare text consistent with current catalog style.

For centers, prepare text consistent with current catalog style.

Revision 1 (9/22/06): Corrected course listing per Physics Department input

Revision 2 (10/5/06): No change in catalog text, but Justification section was changed to correct error in the minimum number of elective courses.

Revision 3 (10/19/06): Catalog text changed to remove explicit list of Masters level courses that could be taken out of career per College of Engineering request. Also removed ELEG 4873 from course list, as this is a special topics course that could refer to inappropriate courses for this minor.

Revision 4: Changed the required management course to select "one of" INEG 4323, 4433, or 4443, instead of only INEG 4433. This provides sufficient class seats to meet the anticipated enrollment without the need to create additional class sections in INEG 4433, and meets the interest of the microEP grad program to include an element of engineering management education in all students receiving the minor. (11/1/06)

Note: Minors are generally listed under eaches' departmental listing in the General Catalog. The microEP Grad Program is not listed in the General Catalog and reports directly to the Graduate School rather to any of the Colleges. It is assumed that a new section of the general catalog will be created under the INTD (interdisciplinary) designation, with a specific section for MEPH (Microelectronics-Photonics) with the following text.

Ken Vickers

Program Chair

248 Physics

479-575-2875

E-mail: microep@cavern.uark.edu

Web: <http://microEP.uark.edu>

Biological Engineering Faculty:

• Professor Li

• Assistant Professors Kavdia, Kim, Ye

Chemical Engineering Faculty:

• Professor Ulrich

• Associate Professor Beitle

Chemistry Faculty:

• Professors Fritsch, Gawley, Peng

• Assistant Professor Tian

Civil Engineering Faculty:

• Professor Selvam

Computer Science/Computer Engineering Faculty:

• Associate Professor Lusth

• Assistant Professor Di

1622.20A p/vcaa 2/23/06

Electrical Engineering Faculty:

- **Distinguished Professors Varadan (V.K), Varadan (V.V.)**
- **University Professor Brown**
- **Professors Ang, Balda, Manasreh, Mantooth, Naseem, Schaper**
- **Associate Professors Burkett, El-Shanawee**
- **Research Associate Porter**

Industrial Engineering Faculty:

- **Associate Professor Mason**

Mechanical Engineering Faculty:

- **Professors Bhat, Malshe, Schmidt**
- **Associate Professors Gordon, Tung**
- **Assistant Professors Spearot, Zhang, Zou**

Microelectronics-Photonics Faculty:

- **Adjunct Professor Foster**

Physics Faculty:

- **Distinguished Professors Salamo, Xiao**
- **Professors Bellaiche, Singh**
- **Research Professor Vickers**
- **Associate Professor, Oliver**
- **Assistant Professors Fu, Gross, Li, Tchakhalian**
- **Research Associate and Adjunct Professor Shultz**

Microelectronics-Photonics (microEP) is an interdisciplinary graduate program that prepares students for careers involving micro/nano materials, processing, and devices applied in areas such as photonics, microelectronics, bio/chemical analysis, etc. The microEP Graduate Program offers MS and PhD degrees, as well as an undergraduate Minor in Microelectronics-Photonics.

The purpose of this Minor is to allow undergraduates in science and engineering to be able to capitalize on the research and educational core of the microEP Graduate Program as they prepare to enter the job market or compete for positions in top level graduate programs.

Requirements for a Minor in Microelectronics-Photonics: Six hours of required courses (ELEG 4203, and one of INEG 4323, INEG 4433, or INEG 4443). At least an additional nine hours must be taken from the following undergraduate courses (BENG 4123, CHEM 4213, ELEG 4223, MEEG 4303, MEEG 4443, MEPH 488V, PHYS 3603, PHYS 4713, and PHYS 4213), or from other appropriate courses not on this list if approved first by the microEP Graduate Program and by the course instructor.

Students accepted into the microEP Minor must attend an orientation session at the beginning of each semester as well as the monthly microEP graduate student research presentations. Students enrolled in the microEP Minor must attend at least one public presentation of a MS microEP thesis or PhD microEP dissertation each semester.

Students wishing to declare this Minor must apply through the microEP Graduate Program web site and be accepted into the Minor at least two regular semesters before their graduation date.

SECTION VIII: Action Recorded by Registrar's Office

PROGRAM INVENTORY/DARS

PGRM _____ SUBJ _____ CIP _____ CRTS _____

DGRE _____ PGCT _____ OFFC&CRTY VALID _____

REPORTING CODES

PROG. DEF. _____ REQ. DEF. _____
Initials _____ Date _____

Distribution

Notification to:

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(7) Treasurer (8) Undergraduate Program Committee Initials _____ Date _____

ATTACHMENT 3B
LETTER OF NOTIFICATION – 8
UNDERGRADATE CERTIFICATE PROGRAM
(15 SEMESTER CREDIT HOURS)

1. Institution submitting request: University of Arkansas, Fayetteville
2. Contact person/title: Ken Vickers
Director, Microelectronics-Photonics (microEP) Graduate Program
3. Phone number/e-mail address: Office 479 575-2875
Cell 479 841-8876
Email vickers@uark.edu
4. Proposed effective date: Fall 2007 semester
5. Name of proposed Undergraduate Certificate Program (Program must consist of 7-18 semester credit hours).
Minor in Microelectronics-Photonics
6. Proposed CIP Code 30.999
7. Reason for proposed program implementation?

The University of Arkansas has established an international reputation at the graduate level in micro and nanomaterials, processing, and devices. This comes from individual researcher grants, large group research grants, graduate educational research grants, and administrative support of innovative educational initiatives. Graduate students from both the microEP interdisciplinary graduate program and our traditional graduate programs are now being sought after by companies in these fields.

With this minor, University of Arkansas undergraduates in science and engineering will be able to capitalize on this world class research and education reputation as they enter the job market or compete for positions in top level graduate programs.

8. Provide the following:

a. List of required courses

ELEG 4203 Semiconductor Devices
And one of the three following INEG courses
INEG 4323 Quality Engineering and Management
INEG 4433 Systems and Engineering Management
INEG 4443 Project Management

Deleted: (or CHEG 5033)

List of elective courses (students pick at least three electives with at least nine hours)

Deleted: ny

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BENG 4123 Biosensors and Bioinstrumentation
CHEM 4213 Instrumental Analysis
ELEG 4223 Design and Fabrication of Solar Cells
MEEG 4303 Materials Laboratory
MEEG 4443 Thermal and Vibration Analysis and Testing of Electronics
MEPH 488V microEP REU Research (3 hours max)
PHYS 3603 Modern Physics – Voyage at the Nanoscale

Deleted: ELEG 4873 . Microsensors, MEMS, and Smart Devices¶

Deleted: 1

Deleted: September 22

Minor in Microelectronics-Photonics (Revision 4)
University of Arkansas, Fayetteville

Page 1 of 3
November 1, 2006

PHYS 4213 Physics of Devices
PHYS 4713 Solid State Physics

Students may enroll for other appropriate courses not on this list if approved first by the microEP Graduate Program and by the course instructor.

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b. New course descriptions

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New courses will be developed for migrating leading edge, research-based graduate level classes downward to the undergraduate level as introductory classes. These classes will typically be junior or senior level classes.

Deleted: List of Masters level graduate courses available as electives for advanced undergraduates¶
¶
BENG 5703 . . . Design and Analysis of Exp for Eng Research (or INEG 5333)¶
CHEG 5033 . . . Technical Administration (or INEG 4433)¶
ELEG 5273 . . . Electronic Packaging (or MEEG 5273)¶
ELEG 5293L . . . Integrated Circuit Fabrication Laboratory¶
ELEG 5323 . . . Semiconductor Nanostructures I¶
INEG 5333 . . . Design of Industrial Experiments (or BENG 5703)¶
MEEG 5263 . . . Intro to MEMS¶
MEEG 5273 . . . Electronic Packaging (or ELEG 5273)¶
PHYS 5734 . . . Laser Physics¶
PHYS 5754 . . . Applied Non-linear Optics¶

c. Program goals and objectives

- 1) Academic excellence in courses that would directly support a student's early career professional performance
- 2) Continued migration of graduate courses based on leading edge research to the undergraduate level
- 3) Increased awareness among our undergraduate science and engineering students of the career opportunities in the areas supported by the microEP Graduate Program
- 4) Increased economic benefit from companies in these areas developing in Arkansas in response to the higher level of well-educated graduates from our BS degree programs in science and engineering

d. Expected student learning outcomes

- 1) A concentration of knowledge in micro/nanoscale materials, processing, and devices in a focus area matching the students' career objectives
- 2) An introduction to principles of engineering management in a technological environment
- 3) A stronger awareness of career opportunities and graduate school opportunities in this field

9. Will this program be offered on-campus, off-campus, or via distance delivery?

This program will only be offered on-campus.

10. Identify off-campus location.

None

Revision 1: Corrected course list using Physics Department input (9/22/06)

Revision 2: Corrected conflicting statements on number of courses required in Section 8 a found during Fulbright College committee review (10/5/06)

Revision 3: Removed explicit list of Masters level courses that could be taken out of career, and removed ELEG 4873 from list since that special topics listing could be used for courses inappropriate for this minor, per College of Engineering request (10/19/06)

Revision 4: Changed the required management course to select "one of" INEG 4323, 4433, or 4443, instead of only INEG 4433. This provides sufficient class seats to meet the anticipated enrollment without the need to create additional class sections in INEG 4433, and meets the interest of the microEP grad program to include an element of engineering management education in all students receiving the minor. (11/1/06)

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Board of Trustees Approval Date:

Deleted: 1

Deleted: September 22

Minor in Microelectronics-Photonics (Revision 4)
University of Arkansas, Fayetteville

Page 2 of 3
November 1, 2006

Chief Academic Officer:

Date:

Deleted: 1
Deleted: September 22

University Course and Programs Committee
17-Nov-06

TABLE ONE
Bumpers College of Agricultural, Food and Life Sciences

School of Human Environmental Sciences

HDFSBS - Human Development, Family Sciences and Rural Sociology - Attachment 1A
Proposal eliminates computer course requirement and increases general electives as specified in Section V of the attachment.

FHNHBS - Food, Human Nutrition, and Hospitality - Attachment 1B
Proposal adds course HESC 2643 as a requirement and reduces the hours of general electives as specified in Section V of the attachment.

TABLE TWO
Fulbright College of Arts and Sciences

The Walter J. Lemke Department of Journalism

JOURBA - Adding prerequisite requirement for JOUR 1033 - Attachment 2A
Course is required by several other degree programs. The change is specified in Section V of the attachment.

TABLE THREE
Undergraduate Interdisciplinary Programs

Microelectronics - Photonics

MEPH - Minor - Minor in Microelectronics-Photonics - Attachments 3A and 3B
Proposal creates a new undergraduate minor in Microelectronics-Photonics as specified in Attachment 3A.

TABLE FOUR
Walton College of Business

All undergraduate honors programs - Attachment 4A
Proposal permits 1000 and 2000 level WCOB honors courses to count towards completion of the Walton Scholars or Departmental Scholars programs as specified in Section V of the attachment.

Department of Management

ENTRGC - Adding Graduate Certificate - Attachments 4B and 4C
Proposal to add Graduate Certificate in Entrepreneurship. All courses utilized by the program outside of the Business College have been approved by the other Colleges. Proposal is described in Attachment 4B.

PAGE TWO

UCPC November 17, 2006 (Continued)

TABLE FIVE

College of Education and Health Professions

Department of Curriculum and Instruction

MLEDMA - Eliminate program - Attachments 5A and 5B

Eliminate the MAT in Middle Level Education as specified in Attachment 5A.

Current language: "Requirements for Walton Scholars Program: 1. Complete 17 of 35 University Core hours in honors courses..." (language is the same for Departmental Scholars, except that the requirement is 9 hours).

Proposed language: "Requirements for Walton Scholars Program: 1. Complete 17 hours of honors courses, to be selected from the University Core or from 1000 or 2000 level WCOB core courses (excluding WCOB 1111). Requirements for the Departmental Scholars Program: 1.; Complete nine hours of honors courses, to be selected from the University Core or from 1000 or 2000 level WCOB core courses (excluding WCOB 1111)...."

This program change affects all Walton College of Business undergraduate eight – semester degree completion plans.

Check if either of these boxes apply and provide the necessary signature:

- Program change proposal adds courses offered by another academic college. The signature of the dean of that academic college is required here: _____
- Program change proposal deletes courses offered by another academic college. The signature of the dean of that academic college is required here: _____

Check all the boxes that apply and complete the required sections of the form:

- Change of Name and Code (Complete only sections I, II, V and VII.)
- Change Course Requirements: (Complete all sections of the form except "Proposed Name" in II, section III, and section IV.)
- Change Delivery Site/Method (Complete all sections of the form except "Proposed Name" in II, section III, and section IV.)
- Change Total Hours (Complete all sections of the form except "Proposed Name" in II, section III, and section IV.)

SECTION VI: Justification

Justify this change and state its likely effect on any other degree program (including those outside the school or college). Identify any program or program components (other than courses) to be eliminated if this program is implemented. (Program and course change forms must also be submitted for such related changes.)

This change gives Walton College honors students more courses to choose from in their efforts to complete the requirements of the honors program. It does not affect any other degree program.

SECTION VII: Catalog Text and Format

Insert the current catalog text, with proposed changes identified in Section V inserted and tracked in Microsoft Word. Be sure that all proposed changes are inserted and tracked. Only changes explicitly stated in Section V will be considered for approval by the University Course and Programs Committee, the Graduate Council and the Faculty Senate.

Include the following elements, in order, in the catalog text for proposed undergraduate program(s) or program changes:

- State complete major/program name
- Briefly define or describe the major/program or discipline.
- Identify typical career goals or paths for graduates. (Optional)
- State admission requirements (if any) for entry or entry into upper/advanced level of major/program.
- Identify location in catalog of university, college/school, and department/program requirements which the student must meet in addition to hours in the major, but do not restate these requirements.
- State course requirements in the major and any allied areas, giving number of hours and specific courses; specify electives or elective areas and give numbers of hours and courses in elective pools or categories; identify any other course requirements.
- State any other requirements (required GPA, internship, exit exam, project, thesis, etc.).
- Identify name and requirements for each concentration (if any).
- Specify whether a minor or other program component is allowed or required and provide details.

For minors, state requirements in terms of hours, required courses, electives, etc.

For graduate program/units, include elements (as needed) parallel to those listed for undergraduate programs above.

For Law School program/units, prepare text consistent with current catalog style.

For centers, prepare text consistent with current catalog style.

Current language: "Requirements for Walton Scholars Program: 1. Complete 17 of 35 University Core hours in honors courses..." (language is the same for Departmental Scholars, except that the requirement is 9 hours).

Proposed language: "Requirements for Walton Scholars Program:

1. Complete 17 hours of honors courses, to be selected from the University Core or from 1000 or 2000 level WCOB core courses (excluding WCOB 1111).

Requirements for the Departmental Scholars Program:

1. Complete nine hours of honors courses, to be selected from the University Core or from 1000 or 2000 level WCOB core courses (excluding WCOB 1111)....

SECTION VIII: Action Recorded by Registrar's Office

PROGRAM INVENTORY/DARS

PGRM _____ SUBJ _____ CIP _____ CRTS _____

DGRE _____ PGCT _____ OFFC&CRTY VALID _____

REPORTING CODES

PROG. DEF. _____ REQ. DEF. _____
Initials _____ Date _____

Distribution

Notification to:

(1) College (2) Department (3) Admissions (4) Institutional Research (5) Continuing Education (6) Graduate School
(7) Treasurer (8) Undergraduate Program Committee Initials _____ Date _____

University Course and Programs Committee
17-Nov-06

TABLE ONE
Bumpers College of Agricultural, Food and Life Sciences

School of Human Environmental Sciences

HDFSBS - Human Development, Family Sciences and Rural Sociology - Attachment 1A
Proposal eliminates computer course requirement and increases general electives as specified in Section V of the attachment.

FHNHBS - Food, Human Nutrition, and Hospitality - Attachment 1B
Proposal adds course HESC 2643 as a requirement and reduces the hours of general electives as specified in Section V of the attachment.

TABLE TWO
Fulbright College of Arts and Sciences

The Walter J. Lemke Department of Journalism

JOURBA - Adding prerequisite requirement for JOUR 1033 - Attachment 2A
Course is required by several other degree programs. The change is specified in Section V of the attachment.

TABLE THREE
Undergraduate Interdisciplinary Programs

Microelectronics - Photonics

MEPH - Minor - Minor in Microelectronics-Photonics - Attachments 3A and 3B
Proposal creates a new undergraduate minor in Microelectronics-Photonics as specified in Attachment 3A.

TABLE FOUR
Walton College of Business

All undergraduate honors programs - Attachment 4A
Proposal permits 1000 and 2000 level WCOB honors courses to count towards completion of the Walton Scholars or Departmental Scholars programs as specified in Section V of the attachment.

Department of Management

ENTRGC - Adding Graduate Certificate - Attachments 4B and 4C
Proposal to add Graduate Certificate in Entrepreneurship. All courses utilized by the program outside of the Business College have been approved by the other Colleges. Proposal is described in Attachment 4B.

PAGE TWO

UCPC November 17, 2006 (Continued)

TABLE FIVE

College of Education and Health Professions

Department of Curriculum and Instruction

MLEDMA - Eliminate program - Attachments 5A and 5B

Eliminate the MAT in Middle Level Education as specified in Attachment 5A.

SECTION IV: Eliminate an Existing Program/Unit

Code/Name _____ Effective Catalog Year _____

No new students admitted to program after Term: ____ Year: _____

Allow students in program to complete under this program until Term: ____ Year: _____

SECTION V: Proposed Changes to an Existing Program

Insert here a statement of the exact changes to be made: **This is a new program proposal. Insert the proposed catalog copy into the Graduate School of Business section of the Graduate Catalog.**

Check all the boxes that apply and complete the required sections of the form:

- Change of Name and Code (Complete only sections I, II, V and VII.)
- Change Course Requirements: (Complete all sections of the form except "Proposed Name" in II, section III, and section IV.)
- Change Delivery Site/Method (Complete all sections of the form except "Proposed Name" in II, section III, and section IV.)
- Change Total Hours (Complete all sections of the form except "Proposed Name" in II, section III, and section IV.)

SECTION VI: Justification

Justify this change and state its likely effect on any other degree program (including those outside the school or college). Identify any program or program components (other than courses) to be eliminated if this program is implemented. (Program and course change forms must also be submitted for such related changes.)

Small firms have created 60-80% of new jobs in the United States over the past decade, and they are particularly important in knowledge-based industries. Small firms produce 13 to 14 times more patents per employee than large firms, and their patents are twice as likely as large firm patents to be among the one percent most cited. Further, small firms employ 41 percent of high tech workers such as scientists, engineers, and computer experts in the U.S. The certificate in Entrepreneurship is designed to attract students from all majors at the University of Arkansas and was developed in close cooperation with faculty members in the College of Engineering. Although the Walton College of Business will assume responsibility for courses in the program, the certificate is designed for students in other colleges. We hope that the Certificate in Entrepreneurship will be an attractive option for students majoring in agriculture, recreation, design, science, and engineering, among others, and will help recruit high quality students to those programs.

Students who complete the Certificate in Entrepreneurship will have explored the context, tools, and processes of entrepreneurial activity and will have learned how to apply them to commercial and non-commercial enterprises. They will receive a knowledge and skill base that will assist them in starting their own businesses or promoting their innovative ideas within existing organizations. By awarding students who have completed the program a Certificate designation, their efforts and specialized knowledge and skills will be recognized, and a signal will be sent to employers and financiers that these students have expertise in entrepreneurship principles.

SECTION VII: Catalog Text and Format

Insert the current catalog text, with proposed changes identified in Section V inserted and tracked in Microsoft Word. Be sure that all proposed changes are inserted and tracked. Only changes explicitly stated in Section V will be considered for approval by the University Course and Programs Committee, the Graduate Council and the Faculty Senate.

Graduate Certificate in Entrepreneurship

The Graduate Certificate in Entrepreneurship is designed to give non-business graduate students a foundation in the core aspects of entrepreneurship they will need to start successful enterprises, to create and promote new products or service offerings in existing organizations, or to engage in social entrepreneurship. The Certificate program is open to all non-business graduate students at the University of Arkansas, and graduate students from all majors are encouraged to participate. Students who complete the Graduate Certificate in Entrepreneurship will have explored the context, tools, and processes of entrepreneurial activity and will have learned how to apply them to commercial and non-commercial enterprises.

Admission Requirements : The Graduate Certificate in Entrepreneurship is open to all non-business graduate students who are in good standing with the graduate school. Information on graduate school admission requirements can be found in the regulations section of the graduate school catalog.

Requirements for the Graduate Certificate in Entrepreneurship: (12 hours)

To receive the Graduate Certificate in Entrepreneurship, students are required to take 9 hours of coursework in the Walton College of Business and 3 hours of electives related to entrepreneurship in either the Walton College or in another college at the University of Arkansas. Elective courses other than those listed below may be approved by the Director of the Certificate program. Some elective courses have prerequisites that are not met by courses in the certificate program. Students are advised to check prerequisites prior to enrolling in a course.

Required Courses (9 hours)

MGMT 5213 Foundations of Business for Entrepreneurs
MGMT 5323 New Venture Development
MBAD 5413 Business Plan Project

Elective Course (3 hours)

Students should choose three hours of coursework from among the following:

Dale Bumpers College of Agricultural, Food, and Life Sciences

AGEC 5113 Agricultural Marketing Analysis
AGEC 5143 Financial Management in Agriculture
AGEC 5413 Agribusiness Strategy
BENG 5713 Food Product and Process Development (joint with College of Engineering)
HESC 4463 Administration and Evaluation of Child Development Programs
HESC 4903 Recent Advances in Manufacturing and Merchandising

J. William Fulbright College of Arts & Sciences

ARTS 493V Fine Arts Gallery Internship
ARTS 494V Graphic Design Internship
COMM 5403 Organizational Communication
COMM 5423 Seminar in Mass Media Cognition
JOUR 5063 Issues in Advertising and Public Relations
JOUR 5323 Documentary Production I

Walton College of Business

FINN 636V Special Topics in Finance: Entrepreneurial Finance
MBAD 535V Internship
MGMT 5993 Entrepreneurship Practicum
MGMT 5363 Innovation and Creativity
MKTG 5433 Consumer and Market Research
MKTG 5553 Shopper, Buyer, and Consumer Behavior

College of Education and Health Professions

HKRD 5883 Sports Facilities Management
KINS 5473 Administration in Athletic Training
RECR 5843 Tourism

College of Engineering

INEG 4433 Systems Engineering and Management
INEG 4443 Project Management
INEG 5423 Engineering in Global Competition

Graduate School

MEPH 5383 Research Commercialization and Product Development
MEPH 5821 Ethics for Scientists and Engineers
MEPH 5831 Proposal Writing and Management

SECTION VIII: Action Recorded by Registrar's Office

PROGRAM INVENTORY/DARS

PGRM _____ SUBJ _____ CIP _____ CRTS _____
DGRE _____ PGCT _____ OFFC&CRTY VALID _____

REPORTING CODES

PROG. DEF. _____ REQ. DEF. _____
Initials _____ Date _____

Distribution

Notification to:
(1) College (2) Department (3) Admissions (4) Institutional Research (5) Continuing Education (6) Graduate School
(7) Treasurer (8) Undergraduate Program Committee Initials _____ Date _____

**ATTACHMENT 4C
LETTER OF NOTIFICATION - 10**

**GRADUATE CERTIFICATE PROGRAM
(12-18 SEMESTER CREDIT HOURS)**

1. Institution submitting request:

University of Arkansas

2. Contact person/title:

Dr. Nancy Talburt, Vice Provost for Academic Affairs

3. Phone number/e-mail address:

Phone: 479-575-2151
422 Administration Building
University of Arkansas
Fayetteville, AR 72701
Email: netal@uark.edu

4. Proposed effective date:

Fall 2007

5. Name of proposed Graduate Certificate Program (Program must consist of 12-18 semester credit hours from existing graduate courses):

Graduate Certificate in Entrepreneurship

6. Proposed CIP Code:

xx

7. Reason for proposed program implementation:

Small firms have created 60-80% of new jobs in the United States over the past decade, and they are particularly important in knowledge-based industries. For example, small firms employ 41 percent of high tech workers such as scientists, engineers, and computer experts in the U.S. While many promising business ideas come from engineers, scientists, designers, or agricultural experts, these individuals frequently lack the business knowledge to turn their ideas into successful business enterprises.

The Certificate in Entrepreneurship is the result of a collaborative effort between the College of Engineering and the Walton College of Business at the University of Arkansas. Faculty members from the College of Engineering recognized that their students needed additional business knowledge and skills if they were to successfully commercialize their ideas. Faculty members from the Walton College have been strong advocates for increasing entrepreneurship activities in the state order attract high-growth businesses with high-paying jobs. It quickly became apparent that there was interest from throughout the University in the certificate in entrepreneurship, so the certificate has been designed so that all non-business graduate students can participate in the program.

Students who complete the Certificate in Entrepreneurship will have explored the context, tools, and processes of entrepreneurial activity and will have learned how to apply them to commercial and non-commercial enterprises. They will receive a knowledge and skill base that will assist them in starting their own businesses or promoting their innovative ideas within existing organizations. By awarding students who have completed the program a Certificate designation, we are recognizing their efforts and signaling to employers and financiers that they have expertise in entrepreneurship principles.

8. Provide documentation that proposed program has received full approval by licensure/certification entity. (i.e. A graduate certificate offered for teacher licensure must be approved by the Arkansas Department of Education prior to consideration by the Coordinating Board).

No such licensing entities exist.

9. Will this program be offered on-campus, off-campus, or via distance delivery?

Courses for this program will be offered on campus.

10. Provide the following:

- a. List of required courses

To receive the graduate Certificate in Entrepreneurship, students are required to take 9 hours of coursework in the Walton College of Business and 3 hours of electives in either the WCOB or in another college at the University of Arkansas.

Required Courses (9 hours)

MGMT 5213 Foundations of Business for Entrepreneurs
MGMT 5323 New Venture Development
MBAD 5413 Business Plan Project

Elective Course (3 hours)

Students should choose three hours of coursework from among the following:

Dale Bumpers College of Agricultural, Food, and Life Sciences

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MKTG 5553 Shopper, Buyer, and Consumer Behavior

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KINS 5473 Administration in Athletic Training
RECR 5843 Tourism

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INEG 4443 Project Management
INEG 5423 Engineering in Global Competition
INEG 5623 Analysis of Inventory Systems

Graduate School

MEPH 5383

MEPH 5821 Ethics for Scientists and Engineers

MEPH 5831 Proposal Writing and Management

b. New course descriptions

Only one new course will be added for the Certificate in Entrepreneurship.

MGMT 5213 Foundations of Business for Entrepreneurs

Introduction to the fundamental business concepts an entrepreneur needs to know to evaluate and launch a successful new venture. Topic areas include recruitment, selection, motivation and management of employees, market analysis and the marketing mix, financial strategies and accounting for funds, economic considerations, and the management of operations.

c. Program goals, objectives, and expected student learning outcomes

The **goal** of the Certificate in Entrepreneurship is to give non-business graduate students a foundation in the core aspects of entrepreneurship they will need to start successful commercial or non-commercial enterprises, to create new products or service offerings in existing organizations, or to engage in social entrepreneurship. The Certificate program is open to all non-business graduate students throughout the University of Arkansas, and students from all majors are encouraged to participate. With broad participation from students throughout campus, we will achieve a secondary goal – to increase the level of discourse between those who create ideas and those who introduce them to the marketplace in economically viable ways. Ideally, these students will join together to create the knowledge-based, high-growth start-ups needed to create and maintain economic vitality in the state.

Specific **objectives** include:

An understanding of:

- the entrepreneurial process
- the human and financial resources needed to successfully launch new ventures
- sources of capital and expected returns for investors
- financial management
- marketing, sales, and promotion
- markets and opportunities
- managing and leading people
- innovation and creativity
- conflict management and negotiation
- the international business environment
- business ethics
- intellectual property protection

developing a business plan

Skills in:

- oral communication
- written communication
- assessing ideas and opportunities
- developing a business plan
- selling ideas and products
- raising capital
- conflict management and negotiation

Expected student learning outcomes

After completing the Certificate in Entrepreneurship, students should have the tools necessary to identify new venture opportunities, and to start and build a stand-alone enterprise or a new initiative within an existing organization. The certificate program will rely heavily on experiential components, giving students practical experience in applying the concepts covered in classes.

11. Identify off-campus location:

This Certificate Program will be operated on campus.

Board of Trustees Approval Date:

Chief Academic Officer:

Date:

University Course and Programs Committee
17-Nov-06

TABLE ONE
Bumpers College of Agricultural, Food and Life Sciences

School of Human Environmental Sciences

HDFSBS - Human Development, Family Sciences and Rural Sociology - Attachment 1A
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Microelectronics - Photonics

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Walton College of Business

All undergraduate honors programs - Attachment 4A
Proposal permits 1000 and 2000 level WCOB honors courses to count towards completion of the Walton Scholars or Departmental Scholars programs as specified in Section V of the attachment.

Department of Management

ENTRGC - Adding Graduate Certificate - Attachments 4B and 4C
Proposal to add Graduate Certificate in Entrepreneurship. All courses utilized by the program outside of the Business College have been approved by the other Colleges. Proposal is described in Attachment 4B.

PAGE TWO

UCPC November 17, 2006 (Continued)

TABLE FIVE

College of Education and Health Professions

Department of Curriculum and Instruction

MLEDMA - Eliminate program - Attachments 5A and 5B

Eliminate the MAT in Middle Level Education as specified in Attachment 5A.

**ATTACHMENT 5A
ADD, CHANGE OR DELETE PROGRAM OR UNIT**

Complete this form consistent with the instructions in Academic Policy 1622.20. Use the form to add, change, or delete a program or unit. Proposed additions and changes must be consistent with Academic Policies 1100.40 and 1621.10 and any other policies which apply.

SECTION I: Approvals

Department / Program Chair	Date Submitted	Faculty Senate Chair	Date
College Dean	Date	Provost	Date
University Course and Programs Committee	Date	Board of Trustees Approval/Notification Date	
Graduate Council Chair	Date	Arkansas Higher Education Coordinating Board Approval/Notification Date	

SECTION II: Profile Data - Required Information and Name Change Information

Academic Unit: Major/Field of Study Minor Other Unit _____

Level: Undergraduate Graduate Law Effective Catalog Year 2007

Current Name MLED

College, School, Division EDUC Department Code CIED

Current Code (6 digit Alpha) MLEDMA Proposed Code (6 digit Alpha) _____
Prior approval from the Office of the Registrar is required.

Interdisciplinary Program CIP Code 13.1203
Prior assignment from Office of Institutional Research is required.

Proposed Name _____
When a program name is changed, enrollment of current students reflects the new name.

SECTION III: Add a New Program/Unit

For new program proposals, complete Sections II and VII and use as a cover sheet for a full program proposal as described in 'Criteria and Procedures for Preparing Proposals for New Programs in Arkansas.' ADHE <<http://www.adhe.arknet.edu.aadept.html>>.

SECTION IV: Eliminate an Existing Program/Unit

Code/Name 5540/MLEDMA Effective Catalog Year 2007

No new students admitted to program after Term: Fall Year: 2010
Allow students in program to complete under this program until Term: Spring Year: 2011

SECTION V: Proposed Changes to an Existing Program

Insert here a statement of the exact changes to be made: _____

Check all the boxes that apply and complete the required sections of the form:

- Change of Name and Code (Complete only sections I, II, V and VII.)
- Change Course Requirements: (Complete all sections of the form except "Proposed Name" in II, section III, and section IV.)
- Change Delivery Site/Method (Complete all sections of the form except "Proposed Name" in II, section III, and section IV.)

Change Total Hours (Complete all sections of the form except "Proposed Name" in II, section III, and section IV.)

SECTION VI: Justification

Justify this change and state its likely effect on any other degree program (including those outside the school or college). Identify any program or program components (other than courses) to be eliminated if this program is implemented. (Program and course change forms must also be submitted for such related changes.)

The proposal to eliminate the B.S.E. in Middle Level Education is based upon recent events and educational policies regarding middle level education in the state, the Department of Curriculum and Instruction and the College of Education and Health Professions. When the program was proposed in 2000, the state licensure system had been revised with a specific area for middle level. Since that time, there have been other revisions to the licensure system including grades five and six endorsement that is available to those with Pre-K-4 and 7-12 license (secondary and elementary can add middle level to their licensure with additional coursework and/or praxis tests). With this endorsement the only grade levels unique to Middle Level licensure, grades 4-8, have been eliminated thereby decreasing the viability of this degree for those interested in working with this age student. In addition, nontraditional/alternative licensure opportunities are increasing. These realities/developments have affected enrollment in our program which has implications for our continuance on campus given the new (university and college) directives for increased numbers in programs as opposed to decreased numbers. (Currently there are 82 undergraduate middle level majors with 24 who have 44 or less hours and 58 who have 45 or more hours.) Presently, the B.S.E. degree is the entrance degree for the Masters of Arts in Teaching (M.A.T.) program which is the licensing degree for University of Arkansas. We are proposing that both programs be deleted. There are generally 20-25 students in our senior classes, from which very few (24 to 36%) apply for the M.A.T. program. With such low numbers in the Middle Level M.A.T. Program (currently 9), summer methods courses must be combined with secondary sections and graduate students who may or may not have middle level credentials teach courses in the fall and spring semesters because there are only three middle level faculty members. These realities affect the quality and continuance of our program. For these reasons, we have decided to discontinue the program.

SECTION VII: Catalog Text and Format

Insert the current catalog text, with proposed changes identified in Section V inserted and tracked in Microsoft Word. Be sure that all proposed changes are inserted and tracked. Only changes explicitly stated in Section V will be considered for approval by the University Course and Programs Committee, the Graduate Council and the Faculty Senate.

Include the following elements, in order, in the catalog text for proposed undergraduate program(s) or program changes:

- State complete major/program name
- Briefly define or describe the major/program or discipline.
- Identify typical career goals or paths for graduates. (Optional)
- State admission requirements (if any) for entry or entry into upper/advanced level of major/program.
- Identify location in catalog of university, college/school, and department/program requirements which the student must meet in addition to hours in the major, but do not restate these requirements.
- State course requirements in the major and any allied areas, giving number of hours and specific courses; specify electives or elective areas and give numbers of hours and courses in elective pools or categories; identify any other course requirements.
- State any other requirements (required GPA, internship, exit exam, project, thesis, etc.).
- Identify name and requirements for each concentration (if any).
- Specify whether a minor or other program component is allowed or required and provide details.

For minors, state requirements in terms of hours, required courses, electives, etc.

For graduate program/units, include elements (as needed) parallel to those listed for undergraduate programs above.

For Law School program/units, prepare text consistent with current catalog style.

For centers, prepare text consistent with current catalog style.

SECTION VIII: Action Recorded by Registrar's Office

PROGRAM INVENTORY/DARS

PGRM _____ SUBJ _____ CIP _____ CRTS _____
DGRE _____ PGCT _____ OFFC&CRTY VALID _____

REPORTING CODES

PROG. DEF. _____

REQ. DEF.

Initials _____

Date _____

Distribution

Notification to:

(1) College
(7) Treasurer

(2) Department
(8) Undergraduate Program Committee

(3) Admissions

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(5) Continuing Education
Initials _____

(6) Graduate School
Date _____

ATTACHMENT 5B

LETTER OF NOTIFICATION – 5

DELETION of B.S. Middle Level, MAT Middle Level

1. Institution submitting request: **University of Arkansas, Fayetteville**
2. Contact person/title: **Dr. Nancy E. Talburt, Vice Provost for Academic Affairs, University of Arkansas, ADMIN 422 Fayetteville, AR 72701-1201**
3. Phone number/e-mail address: **479-575-2151/ netal@uark.edu**
4. Proposed effective date: **Catalogue Year 2007**
5. Title of certificate, degree program, option, or organizational unit: **MAT in Middle Level Education**
6. CIP Code: **13.12.03**
7. Degree Code: **MLEDMA**
8. Reason for deletion:

The proposal to eliminate the B.S.E. in Middle Level Education is based upon recent events and educational policies regarding middle level education in the state, the Department of Curriculum and Instruction and the College of Education and Health Professions. When the program was proposed in 2000, the state licensure system had been revised with a specific area for middle level. Since that time, there have been other revisions to the licensure system including grades five and six endorsement that is available to those with Pre-K-4 and 7-12 license (secondary and elementary can add middle level to their licensure with additional coursework and/or praxis tests). With this endorsement the only grade levels unique to Middle Level licensure, grades 4-8, have been eliminated thereby decreasing the viability of this degree for those interested in working with this age student. In addition, nontraditional/alternative licensure opportunities are increasing. These realities/developments have affected enrollment in our program which has implications for our continuance on campus given the new (university and college) directives for increased numbers in programs as opposed to decreased numbers. (Currently there are 82 undergraduate middle level majors with 24 who have 44 or less hours and 58 who have 45 or more hours.) Presently, the B.S.E. degree is the entrance degree for the Masters of Arts in Teaching (M.A.T.) program which is the licensing degree for University of Arkansas. We are proposing that both programs be deleted. There are generally 20-25 students in our senior classes, from which very few (24 to 36%) apply for the M.A.T. program. With such low numbers in the Middle Level M.A.T. Program (currently 9), summer methods courses must be combined with secondary sections and graduate students who may or may not have middle level credentials teach courses in the fall and spring semesters because there are only three middle level faculty members. These realities affect the quality and continuance of our program. For these reasons, we have decided to discontinue the program.

9. Number of students still enrolled in program: **9**

10. Expected graduation date of last student: **Spring 2011**

11. Name of courses which will be deleted as a result of this action:

CIED 5093, Beginning Special Methods; CIED 5193, Intermediate Special Methods; and CIED 514V, Internship: Middle Level

12. How will students in the deleted program be accommodated:

The targeted date for the last Middle Level MAT graduating class is the Spring of 2011 which will include those students who entered in the Fall of 2006 if they progress according to the program's eight semester plan. Students in Childhood Education (Pre-K-4 licensure) can obtain Grades 5/6 Endorsement by completing the following courses and passing Praxis II, Middle Level Content: CIED 3053, The Emerging Adolescent; CIED 5653, Methods of Middle School Instruction; and CIED 599V, Teaching Students with Diverse Needs in Middle Childhood settings. Approval from the Arkansas Department of Education of required course work for Grades 5/6 Endorsement for Secondary Education majors (7-12 licensure) is currently pending.

13. Are funds available for reallocation? No.

Board of Trustees Approval Date:

Chief Academic Officer:

Date:
