

## UNIVERSITY COURSE AND PROGRAMS COMMITTEE

### AGENDA

December 16, 2005

2:30 PM

Upchurch Conference Room

1. Approval of minutes for November 18, 2005 (Enclosed)
2. Consent Agenda (Course change proposals can be reviewed at <https://www2.uark.edu/web-apps/regr/ccf/Main> or by going to the website of the Registrar and clicking on "Faculty/Staff" then "Curriculum Change Form," and then "View Changes Pending Before the University Course and Programs Committee.")

Proposals for new courses are enclosed.

- a. Undergraduate Courses ([Table A](#))
  - b. Graduate Courses ([Table B](#))
  - c. Dual Credit Courses ([Table C](#))
3. Old Business: None
  4. New Business:
    - a. Proposed program change for Dale Bumpers College of Agricultural, Food and Life Sciences ([Table 1](#), [Attachment 1A](#)).
    - b. Proposed program changes for the Walton College of Business ([Table 2](#), [Attachments 2A-2F](#)).
    - c. Proposed program changes for the College of Education and Health Professions ([Table 3](#), [Attachments 3A-3H](#)).
    - d. Proposed program change for the College of Engineering ([Table 4](#), [Attachment 4A](#))
  5. Other

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

December 16, 2005

COLL	DEPARTMENT NAME	DEPT	CRSE ALPHA	CRSE NUM	CRSE TITLE	CREDIT LEVEL	ACTION	CREDIT HOURS	EFFECTIVE DATE
AFLS	Biological & Agricultural Engineering	BAEG	BENG	4133	Digital Remote Sensing and GIS	U	ANC	3	Fall 2006
AFLS	Biological & Agricultural Engineering	BAEG	BENG	4203	Biomedical Engineering Principles	D to U	CD, CEGUC	3	Fall 2006
AFLS	Biological & Agricultural Engineering	BAEG	BENG	4213 to 3213	Applications of Biomedical Engineering to Biomedical Engineering	D To U	CD, CHN, CT, CEGUC, OTH	3	Fall 2006
AFLS	Biological & Agricultural Engineering	BAEG	BENG	4703	Food & Bioprocess Engineering to Biotechnology Engineering	D to U	CD, CT, CEGUC, OTH	3	Fall 2006
AFLS	Biological & Agricultural Engineering	BAEG	BENG	4903	Natural Resources Engineering to Ecological Engineering Principles	D to U	CD, CT, CEGUC, OTH	3	Fall 2006
AFLS	Biological & Agricultural Engineering	BAEG	BENG	4923	Non-Point Source Pollution Engineering to Ecological Engineering Design	D to U	CD, CT, CEGUC, OTH	3	Fall 2006
ARCH	Department of Architecture	ARCD	ARCH	302V	Seminar	U	ELC	variable	Fall 2006
ARCH	Department of Architecture	ARCD	ARCH	4433	History of Architecture Ii	U	ELC	3	Fall 2006
ARCH	Department of Architecture	ARCD	ARCH	4620	Architectural Cooperative Education II	U	ELC	3	Fall 2006
ARCH	Department of Architecture	ARCD	ARCH	4630	Architectural Cooperative Education III	U	ELC	3	Fall 2006
ARCH	Department of Architecture	ARCD	ARCH	4640	Architectural Cooperative Education IV	U	ELC	3	Fall 2006
ARCH	Department of Architecture	ARCD	ARCH	5173	Architectural Technology VII: Vernacular Systems	U	ELC	3	Fall 2006

AFLS	Crop, Soil & Environmental Sciences	CSES	ENSC	1012	Orientation to Crop, Soil & Environmental Science	U	ELC	2	Fall 2006
AFLS	Entomology	ENTO	ENTO	4093	Issues in Pest Management	U	ELC	3	Fall 2006
EDUC	Health, Kinesiology, Recreation & Dance	HKRD	KINS	3703 to 3702	Measurement Concepts in Kinesiology	U	CD, CCH, CHN	3 to 2	Fall 2006
EDUC	Health, Kinesiology, Recreation & Dance	HKRD	PHED	1003	The Physical Education Profession: An Overview	U	ANC	3	Fall 2006
EDUC	Health, Kinesiology, Recreation & Dance	HKRD	PHED	3042 to 3043	Teaching Fitness	U	CD, CCH, CHN	3	Fall 2006
EDUC	Health, Kinesiology, Recreation & Dance	HKRD	PHED	3074	Secondary Physical Education	U	ANC	3	Fall 2006
EDUC	Health, Kinesiology, Recreation & Dance	HKRD	PHED	3373	Methods and Materials in Physical Education for Elementary School to Elementary Physical Education	U	CT	3	Fall 2006
EDUC	Health, Kinesiology, Recreation & Dance	HKRD	PHED	4023	Class Management	U	ANC	3	Fall 2006
EDUC	Health, Kinesiology, Recreation & Dance	HKRD	PHED	407V	Physical Education Teaching Internship	U	ANC	variable	Fall 2006
EDUC	Health, Kinesiology, Recreation & Dance	HKRD	PHED	4263	Professional Issues in Physical Education	U	ANC	variable	Fall 2006
EDUC	Health, Kinesiology, Recreation & Dance	HKRD	PHED	4731	Senior Seminar	U	ANC	1	Fall 2006
EDUC	Health, Kinesiology, Recreation & Dance	HKRD	RECR to PHED	1001L to 2002	Outdoor Recreation Laboratory to Teaching and Leading Outdoor Recreation and Experiential Activities	U	CD, CT, CCH, CHN	1 to 2	Fall 2006
EDUC	Eleanor Mann School of Nursing	NURS	NURS	3341L	Technical Interventions in Nursing: Laboratory III	U	ELC	1	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	HRDV	4603	HRD Practicum: Introduction To HRD I	U	ANC	3	Fall 2006

EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	HRDV	4613	HRD Practicum: Theory & Principles of Adult Education	U	ANC	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	HRDV	4623	HRD Practicum: Communication	U	ANC	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	HRDV	4633	HRD Practicum: Skills and Strategies	U	ANC	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	HRDV	4643	HRD Practicum: Needs Assessment & Evaluation	U	ANC	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	HRDV	4653	HRD Practicum: Group Dynamics	U	ANC	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	HRDV	4663	HRD Practicum: Leadership	U	ANC	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	HRDV	4673	HRD Practicum: Professional Development	U	ANC	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	HRDV	4683	HRD Practicum: Introduction to HRD II	U	ANC	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	HRDV	4693	HRD Practicum: Advanced Skills & Strategies	U	ANC	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	ITED	1403	Power & Energy	U	ELC	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	ITED	1411L	Principles of Electricity Laboratory	U	ELC	1	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	ITED	2211L	Industrial Design Laboratory	U	ELC	1	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	ITED	2311L	Metal Fabrication Laboratory	U	ELC	1	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	ITED	2421L	Industrial Maintenance Laboratory	U	ELC	1	Fall 2006

EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	ITED	2611L	Machine Tool Manufacturing Laboratory	U	ELC	1	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	ITED	3221L	Drafting Technology II Laboratory	U	ELC	1	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	ITED	3321L	Construction Coating Application Laboratory	U	ELC	1	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	ITED	3431L	Exploring Electronics Technology Laboratory	U	ELC	1	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	ITED	3621L	Wood Processing Technology Laboratory	U	ELC	1	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	ITED	3623	Wood Processing Technology	U	ELC	1	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	ITED	3631L	Plastics in Industry Laboratory	U	ELC	1	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	ITED	4643	Industrial Safety II	U	ELC	1	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	TEED	1103	The Nature of Technology	U	ANC	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	TEED	2103	Technology and Society	U	ANC	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	TEED	3103	Technological Research, Experimentation, and Trouble-shooting	U	ANC	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	TEED	3203	Information and Communication Systems	U	ANC	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	TEED	3303	Energy, Power & Transportation	U	ANC	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	TEED	4103	Engineering Design for Technology Education Capstone	U	ANC	3	Fall 2006

EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	VAED TO HRDV	3113	Skills/Strategies in Human Resource Development	U	CD, OTH	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	VAED TO HRDV	3123	Theory and Principles of Needs Assessment and Evaluation in Human Resource Development	U	CD, OTH	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	VAED TO HRDV	3133	Communication in Human Resource Development	U	CD, OTH	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	VAED TO HRDV	3213	Introduction to Human Resource Development	U	CD, OTH	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	VAED TO HRDV	3403	Employment Law in Human Resource Development	U	CD, OTH	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	VAED TO HRDV	3503	Workforce Behavior	U	CD, OTH	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	VAED TO HRDV	4113	Theory and Principles of Adult Education	U	CD, OTH	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	VAED TO HRDV	4133	Applied Theory/Principle of Group Dynamics	U	CD, OTH	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	VAED TO HRDV	4213	Strategies in Professional Development	U	CD, OTH	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	VAED TO HRDV	4233	Leadership in Human Resource Development	U	CD, OTH	3	Fall 2006

EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	VAED TO HRDV	450V	Experiential Learning	U	CD, OTH	variable	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	VOED	1001	Practicum in Vocational Education	U	ANC	1	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	VOED	4023	Classroom Management	U	ANC	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	VOED	4033	Assessment/Program Evaluation	U	ANC	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	VOED	4041	Laboratory Management in Vocational Education	U	ANC	1	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	VOED	4051	Seminar Teaching Internship	U	ANC	1	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	VOED	406V	Teaching Internship	U	ANC	variable	Fall 2006
ENGR	Computer Science & Computer Engineering	CSCE	CENG	1111L	Introduction to Computers Laboratory	U	ELC	1	Fall 2006
ENGR	Computer Science & Computer Engineering	CSCE	CENG	1113	Introduction to Computers	U	ELC	3	Fall 2006
ENGR	Computer Science & Computer Engineering	CSCE	CSCE	4513 to 3513	Software Engineering	U	CHN	3	Fall 2006
ENGR	Electrical Engineering	ELEG	ELEG	2903 to 1903	Digital Design I	U	CHN	3	Fall 2006
ENGR	Electrical Engineering	ELEG	ELEG	2913 to 1913	Digital Design II	U	CHN	3	Fall 2006
ENGR	Industrial Engineering	INEG	INEG	2513 to 3513	Manufacturing System Design to Manufacturing System Design and Processes	U	CD, CT, CHN, OTH	3	Fall 2006
ENGR	Industrial Engineering	INEG	INEG	4333 to 3333	Industrial Statistics	D to U	CD, CHN, OTH	3	Fall 2006

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

December 16, 2005

COLL	DEPARTMENT NAME	DEPT	CRSE ALPHA	CRSE NUM	CRSE TITLE	CREDIT LEVEL	ACTION	CREDIT HOURS	EFFECTIVE DATE
AFLS	Biological & Agricultural Engineering	BAEG	BENG	5113	Agricultural Remote Sensing and GIS to Digital Remote Sensing and GIS	G	CT, CD, OTH	3	Fall 2006
AFLS	Biological & Agricultural Engineering	BAEG	BENG	5263	Biomedical Engineering Principles	G	ANC	3	Fall 2006
AFLS	Biological & Agricultural Engineering	BAEG	BENG	5743	Biotechnology Engineering	G	ANC	3	Fall 2006
AFLS	Biological & Agricultural Engineering	BAEG	BENG	5943	Ecological Engineering Principles	G	ANC	3	Fall 2006
AFLS	Biological & Agricultural Engineering	BAEG	BENG	5953	Ecological Engineering Design	G	ANC	3	Fall 2006
EDUC	Curriculum & Instruction	CIED	CIED	5013	Measurement, Research and Statistical Concepts in the Schools	G	ANC	3	Summer 2006
EDUC	Curriculum & Instruction	CIED	CIED	5053	Multicultural Issues in Elementary Education	G	ANC	3	Summer 2006
EDUC	Curriculum & Instruction	CIED	CIED	5733	Inclusive Practices for Diverse Populations	G	ANC	3	Fall 2006
EDUC	Curriculum & Instruction	CIED	CIED	5743	Teaching Persons with Physical and Health Disabilities	G	ANC	3	Fall 2006
EDUC	Curriculum & Instruction	CIED	CIED	6053	Advanced Assessment	G	ANC	3	Fall 2006
EDUC	Curriculum & Instruction	CIED	CIED	6063	Systemic Change in Education	G	ANC	3	Fall 2006
EDUC	Curriculum & Instruction	CIED	CIED	6313	Issues, History, and Rationale of Science Education	G	ANC	3	Fall 2006
EDUC	Curriculum & Instruction	CIED	CIED	6333	Nature of Science: Philosophy of Science for Science Educators	G	ANC	3	Fall 2006
EDUC	Curriculum & Instruction	CIED	CIED	6343	Advanced Science Teaching Methods	G	ANC	3	Fall 2006



EDUC	Educational Leadership, Counseling & Foundations	ELCF	CNED	6711	Advanced Counseling Practicum	G	ANC	1	Fall 2006
EDUC	Health, Kinesiology, Recreation & Dance	HKRD	HLSC	5613 to 4613	Principle of Epidemiology	G to D	CD, CHN, CEGUC	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	CDIS	5142 to 5143	Cognitive-Communication Development and Disorders	G	CD, CHN, CCH	2 to 3	Fall 2006
ENGR	Electrical Engineering	ELEG	ELEG	5663	Interactive Computer Graphics to Communication Theory	G	CD, CT, OTH, RA	3	Fall 2006
WCOB	Accounting	ACCT	ACCT	5223	Accounting for Supply Chain & Retail	G	ANC	3	Fall 2007
WCOB	Economics	ECON	ECON	5243	Economics of Supply Chain & Retail	G	ANC	3	Spring 2007
WCOB	Finance	FINN	FINN	5223	Financial Markets & Valuation	G	ANC	3	Spring 2007
WCOB	Finance	FINN	FINN	5333	Investment Theory & Management	G	OTH	3	Fall 2007
WCOB	Finance	FINN	FINN	5413	Shollmier Investment Project	G	ANC	3	Spring 2008
WCOB	Finance	FINN	FINN	5443	Retail Finance	G	ANC	3	Fall 2007
WCOB	Information Systems	ISYS	ISYS	5363	Business Analytics	G	ANC	3	Spring 2007
WCOB	Information Systems	ISYS	ISYS	5433	Enterprise Systems	G	ANC	3	Spring 2008
WCOB	Business Administration	MBAD	MBAD	5013	MBA Foundations I	G	ELC	3	Fall 2006
WCOB	Business Administration	MBAD	MBAD	5023	MBA Foundations II	G	ELC	3	Fall 2006
WCOB	Business Administration	MBAD	MBAD	5241	Ethical Decision Making	G	ANC	3	Fall 2007
WCOB	Business Administration	MBAD	MBAD	535V	MBA Internship	G	ANC	variable	Summer 2007
WCOB	Business Administration	MBAD	MBAD	536V	Study Abroad-Special Problems	G	ANC	variable	Summer 2007
WCOB	Business Administration	MBAD	MBAD	5413	Partnering Project I to Partnering Project	G	CT	3	Spring 2008
WCOB	Business Administration	MBAD	MBAD	5423	Partnering Project II	G	ELC	3	Fall 2006

WCOB	Business Administration	MBAD	MBAD	5511	Focus Topic I to Prof. Dev. - Special Topics in Business	G	CT , CD	3	Spring 2007
WCOB	Business Administration	MBAD	MBAD	552V	Focus Week/Focus Weekend	G	ELC	3	Fall 2006
WCOB	Business Administration	MBAD	MBAD	5602	Introduction to the Value Chain	G	ANC	3	Summer 2006
WCOB	Business Administration	MBAD	MBAD	5613	Financial Accounting	G	ANC	3	Fall 2006
WCOB	Management	MGMT	MGMT from MBAD	5313	Strategic Management	G	OTH	3	Spring 2008
WCOB	Management	MGMT	MGMT	5323	New Venture Development and Small Business Management to New Venture Development	G	CD, CT	3	Fall 2007
WCOB	Management	MGMT	MGMT	5363	Strategic Innovation to Innovation & Creativity	G	CD, CT	3	Spring 2008
WCOB	Management	MGMT	MGMT	5223	Managing & Leading Organizations	G	ANC	3	Fall 2007
WCOB	Marketing & Logistics	MKTL	MKTG	5103	Retail Consumer Marketing	G	ANC	3	Spring 2007
WCOB	Marketing & Logistics	MKTL	MKTG	5433	Consumer and Market Research	G	CD	3	Fall 2007
WCOB	Marketing & Logistics	MKTL	MKTG	5543	Category Analysis & Management	G	ANC	3	Spring 2008
WCOB	Marketing & Logistics	MKTL	MKTG	5553	Buyer Behavior to Shopper, Buyer, and Consumer Behavior	G	CD, CT	3	Fall 2007
WCOB	Marketing & Logistics	MKTL	TLOG	5633	Retail & Consumer Products Supply Chain Management	G	ANC	3	Spring 2007
WCOB	Marketing & Logistics	MKTL	TLOG	5643	Strategic Issues in Transportation Management to Transportation Strategies in the Supply Chain	G	CD, CT	3	Fall 2006
WCOB	Marketing & Logistics	MKTL	TLOG	5653	Global Logistics Strategy to Global Logistics and Supply Management	G	CD, CT	3	Fall 2007

WCOB Marketing & Logistics

MKTL TLOG

5673 Transportation & Logistics Modeling to  
Modeling Retail & Consumer Products.  
Logistics

G

CD, CT

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Spring 2008

**TABLE C****UCPC****Dual Courses**

December 16, 2005

COLL	DEPARTMENT NAME	DEPT	CRSE ALPHA	CRSE NUM	CRSE TITLE	CREDIT LEVEL	ACTION	CREDIT HOURS	EFFECTIVE DATE
AFLS	Biological & Agricultural	BAEG	BENG	4203	Biomedical Engineering Principles	D to U	CD, CEGUC	3	Fall 2006
AFLS	Biological & Agricultural Engineering	BAEG	BENG	4213 to 3213	Applications of Biomedical Engineering to Biomedical Engineering	D To U	CD, CHN, CT, CEGUC, OTH	3	Fall 2006
AFLS	Biological & Agricultural	BAEG	BENG	4703	Food & Bioprocess Engineering to	D to U	CD, CT,	3	Fall 2006
AFLS	Biological & Agricultural Engineering	BAEG	BENG	4903	Natural Resources Engineering to Ecological Engineering Principles	D to U	CD, CT, CEGUC, OTH	3	Fall 2006
AFLS	Biological & Agricultural Engineering	BAEG	BENG	4913	Design of Animal Waste Management Systems	D	ELC	3	Fall 2006
AFLS	Biological & Agricultural Engineering	BAEG	BENG	4923	Non-Point Source Pollution Engineering to Ecological Engineering Design	D to U	CD, CT, CEGUC, OTH	3	Fall 2006
EDUC	Health, Kinesiology, Recreation & Dance	HKRD	HLSC	5613 to 4613	Principle of Epidemiology	G to D	CD, CHN, CEGUC	3	Fall 2006
ENGR	Industrial Engineering	INEG	INEG	4333 to 3333	Industrial Statistics	D to U	CD, CHN, OTH	3	Fall 2006
GRAD	Department of Graduate Dean	GRSD	GRAD	400V	Research Experience Undergraduate Internship	D	ANC	variable	Fall 2006

## KEY

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### 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

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

December 16, 2005

COLL	DEPARTMENT NAME	DEPT	CRSE ALPHA	CRSE NUM	CRSE TITLE	CREDIT LEVEL	ACTION	CREDIT HOURS	EFFECTIVE DATE
AFLS	Biological & Agricultural Engineering	BAEG	BENG	4133	Digital Remote Sensing and GIS	U	ANC	3	Fall 2006
AFLS	Biological & Agricultural Engineering	BAEG	BENG	4203	Biomedical Engineering Principles	D to U	CD, CEGUC	3	Fall 2006
AFLS	Biological & Agricultural Engineering	BAEG	BENG	4213 to 3213	Applications of Biomedical Engineering to Biomedical Engineering	D To U	CD, CHN, CT, CEGUC, OTH	3	Fall 2006
AFLS	Biological & Agricultural Engineering	BAEG	BENG	4703	Food & Bioprocess Engineering to Biotechnology Engineering	D to U	CD, CT, CEGUC, OTH	3	Fall 2006
AFLS	Biological & Agricultural Engineering	BAEG	BENG	4903	Natural Resources Engineering to Ecological Engineering Principles	D to U	CD, CT, CEGUC, OTH	3	Fall 2006
AFLS	Biological & Agricultural Engineering	BAEG	BENG	4923	Non-Point Source Pollution Engineering to Ecological Engineering Design	D to U	CD, CT, CEGUC, OTH	3	Fall 2006
ARCH	Department of Architecture	ARCD	ARCH	302V	Seminar	U	ELC	variable	Fall 2006
ARCH	Department of Architecture	ARCD	ARCH	4433	History of Architecture Ii	U	ELC	3	Fall 2006
ARCH	Department of Architecture	ARCD	ARCH	4620	Architectural Cooperative Education II	U	ELC	3	Fall 2006
ARCH	Department of Architecture	ARCD	ARCH	4630	Architectural Cooperative Education III	U	ELC	3	Fall 2006
ARCH	Department of Architecture	ARCD	ARCH	4640	Architectural Cooperative Education IV	U	ELC	3	Fall 2006
ARCH	Department of Architecture	ARCD	ARCH	5173	Architectural Technology VII: Vernacular Systems	U	ELC	3	Fall 2006

AFLS	Crop, Soil & Environmental Sciences	CSES	ENSC	1012	Orientation to Crop, Soil & Environmental Science	U	ELC	2	Fall 2006
AFLS	Entomology	ENTO	ENTO	4093	Issues in Pest Management	U	ELC	3	Fall 2006
EDUC	Health, Kinesiology, Recreation & Dance	HKRD	KINS	3703 to 3702	Measurement Concepts in Kinesiology	U	CD, CCH, CHN	3 to 2	Fall 2006
EDUC	Health, Kinesiology, Recreation & Dance	HKRD	PHED	1003	The Physical Education Profession: An Overview	U	ANC	3	Fall 2006
EDUC	Health, Kinesiology, Recreation & Dance	HKRD	PHED	3042 to 3043	Teaching Fitness	U	CD, CCH, CHN	3	Fall 2006
EDUC	Health, Kinesiology, Recreation & Dance	HKRD	PHED	3074	Secondary Physical Education	U	ANC	3	Fall 2006
EDUC	Health, Kinesiology, Recreation & Dance	HKRD	PHED	3373	Methods and Materials in Physical Education for Elementary School to Elementary Physical Education	U	CT	3	Fall 2006
EDUC	Health, Kinesiology, Recreation & Dance	HKRD	PHED	4023	Class Management	U	ANC	3	Fall 2006
EDUC	Health, Kinesiology, Recreation & Dance	HKRD	PHED	407V	Physical Education Teaching Internship	U	ANC	variable	Fall 2006
EDUC	Health, Kinesiology, Recreation & Dance	HKRD	PHED	4263	Professional Issues in Physical Education	U	ANC	variable	Fall 2006
EDUC	Health, Kinesiology, Recreation & Dance	HKRD	PHED	4731	Senior Seminar	U	ANC	1	Fall 2006
EDUC	Health, Kinesiology, Recreation & Dance	HKRD	RECR to PHED	1001L to 2002	Outdoor Recreation Laboratory to Teaching and Leading Outdoor Recreation and Experiential Activities	U	CD, CT, CCH, CHN	1 to 2	Fall 2006
EDUC	Eleanor Mann School of Nursing	NURS	NURS	3341L	Technical Interventions in Nursing: Laboratory III	U	ELC	1	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	HRDV	4603	HRD Practicum: Introduction To HRD I	U	ANC	3	Fall 2006

EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	HRDV	4613	HRD Practicum: Theory & Principles of Adult Education	U	ANC	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	HRDV	4623	HRD Practicum: Communication	U	ANC	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	HRDV	4633	HRD Practicum: Skills and Strategies	U	ANC	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	HRDV	4643	HRD Practicum: Needs Assessment & Evaluation	U	ANC	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	HRDV	4653	HRD Practicum: Group Dynamics	U	ANC	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	HRDV	4663	HRD Practicum: Leadership	U	ANC	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	HRDV	4673	HRD Practicum: Professional Development	U	ANC	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	HRDV	4683	HRD Practicum: Introduction to HRD II	U	ANC	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	HRDV	4693	HRD Practicum: Advanced Skills & Strategies	U	ANC	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	ITED	1403	Power & Energy	U	ELC	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	ITED	1411L	Principles of Electricity Laboratory	U	ELC	1	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	ITED	2211L	Industrial Design Laboratory	U	ELC	1	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	ITED	2311L	Metal Fabrication Laboratory	U	ELC	1	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	ITED	2421L	Industrial Maintenance Laboratory	U	ELC	1	Fall 2006



EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	ITED	2611L	Machine Tool Manufacturing Laboratory	U	ELC	1	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	ITED	3221L	Drafting Technology II Laboratory	U	ELC	1	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	ITED	3321L	Construction Coating Application Laboratory	U	ELC	1	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	ITED	3431L	Exploring Electronics Technology Laboratory	U	ELC	1	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	ITED	3621L	Wood Processing Technology Laboratory	U	ELC	1	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	ITED	3623	Wood Processing Technology	U	ELC	1	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	ITED	3631L	Plastics in Industry Laboratory	U	ELC	1	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	ITED	4643	Industrial Safety II	U	ELC	1	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	TEED	1103	The Nature of Technology	U	ANC	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	TEED	2103	Technology and Society	U	ANC	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	TEED	3103	Technological Research, Experimentation, and Trouble-shooting	U	ANC	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	TEED	3203	Information and Communication Systems	U	ANC	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	TEED	3303	Energy, Power & Transportation	U	ANC	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	TEED	4103	Engineering Design for Technology Education Capstone	U	ANC	3	Fall 2006

EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	VAED TO HRDV	3113	Skills/Strategies in Human Resource Development	U	CD, OTH	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	VAED TO HRDV	3123	Theory and Principles of Needs Assessment and Evaluation in Human Resource Development	U	CD, OTH	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	VAED TO HRDV	3133	Communication in Human Resource Development	U	CD, OTH	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	VAED TO HRDV	3213	Introduction to Human Resource Development	U	CD, OTH	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	VAED TO HRDV	3403	Employment Law in Human Resource Development	U	CD, OTH	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	VAED TO HRDV	3503	Workforce Behavior	U	CD, OTH	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	VAED TO HRDV	4113	Theory and Principles of Adult Education	U	CD, OTH	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	VAED TO HRDV	4133	Applied Theory/Principle of Group Dynamics	U	CD, OTH	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	VAED TO HRDV	4213	Strategies in Professional Development	U	CD, OTH	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	VAED TO HRDV	4233	Leadership in Human Resource Development	U	CD, OTH	3	Fall 2006

EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	VAED TO HRDV	450V	Experiential Learning	U	CD, OTH	variable	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	VOED	1001	Practicum in Vocational Education	U	ANC	1	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	VOED	4023	Classroom Management	U	ANC	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	VOED	4033	Assessment/Program Evaluation	U	ANC	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	VOED	4041	Laboratory Management in Vocational Education	U	ANC	1	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	VOED	4051	Seminar Teaching Internship	U	ANC	1	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	VOED	406V	Teaching Internship	U	ANC	variable	Fall 2006
ENGR	Computer Science & Computer Engineering	CSCE	CENG	1111L	Introduction to Computers Laboratory	U	ELC	1	Fall 2006
ENGR	Computer Science & Computer Engineering	CSCE	CENG	1113	Introduction to Computers	U	ELC	3	Fall 2006
ENGR	Computer Science & Computer Engineering	CSCE	CSCE	4513 to 3513	Software Engineering	U	CHN	3	Fall 2006
ENGR	Electrical Engineering	ELEG	ELEG	2903 to 1903	Digital Design I	U	CHN	3	Fall 2006
ENGR	Electrical Engineering	ELEG	ELEG	2913 to 1913	Digital Design II	U	CHN	3	Fall 2006
ENGR	Industrial Engineering	INEG	INEG	2513 to 3513	Manufacturing System Design to Manufacturing System Design and Processes	U	CD, CT, CHN, OTH	3	Fall 2006
ENGR	Industrial Engineering	INEG	INEG	4333 to 3333	Industrial Statistics	D to U	CD, CHN, OTH	3	Fall 2006

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

December 16, 2005

COLL	DEPARTMENT NAME	DEPT	CRSE ALPHA	CRSE NUM	CRSE TITLE	CREDIT LEVEL	ACTION	CREDIT HOURS	EFFECTIVE DATE
AFLS	Biological & Agricultural Engineering	BAEG	BENG	5113	Agricultural Remote Sensing and GIS to Digital Remote Sensing and GIS	G	CT, CD, OTH	3	Fall 2006
AFLS	Biological & Agricultural Engineering	BAEG	BENG	5263	Biomedical Engineering Principles	G	ANC	3	Fall 2006
AFLS	Biological & Agricultural Engineering	BAEG	BENG	5743	Biotechnology Engineering	G	ANC	3	Fall 2006
AFLS	Biological & Agricultural Engineering	BAEG	BENG	5943	Ecological Engineering Principles	G	ANC	3	Fall 2006
AFLS	Biological & Agricultural Engineering	BAEG	BENG	5953	Ecological Engineering Design	G	ANC	3	Fall 2006
EDUC	Curriculum & Instruction	CIED	CIED	5013	Measurement, Research and Statistical Concepts in the Schools	G	ANC	3	Summer 2006
EDUC	Curriculum & Instruction	CIED	CIED	5053	Multicultural Issues in Elementary Education	G	ANC	3	Summer 2006
EDUC	Curriculum & Instruction	CIED	CIED	5733	Inclusive Practices for Diverse Populations	G	ANC	3	Fall 2006
EDUC	Curriculum & Instruction	CIED	CIED	5743	Teaching Persons with Physical and Health Disabilities	G	ANC	3	Fall 2006
EDUC	Curriculum & Instruction	CIED	CIED	6053	Advanced Assessment	G	ANC	3	Fall 2006
EDUC	Curriculum & Instruction	CIED	CIED	6063	Systemic Change in Education	G	ANC	3	Fall 2006
EDUC	Curriculum & Instruction	CIED	CIED	6313	Issues, History, and Rationale of Science Education	G	ANC	3	Fall 2006
EDUC	Curriculum & Instruction	CIED	CIED	6333	Nature of Science: Philosophy of Science for Science Educators	G	ANC	3	Fall 2006
EDUC	Curriculum & Instruction	CIED	CIED	6343	Advanced Science Teaching Methods	G	ANC	3	Fall 2006

EDUC	Educational Leadership, Counseling & Foundations	ELCF	CNED	6711	Advanced Counseling Practicum	G	ANC	1	Fall 2006
EDUC	Health, Kinesiology, Recreation & Dance	HKRD	HLSC	5613 to 4613	Principle of Epidemiology	G to D	CD, CHN, CEGUC	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	CDIS	5142 to 5143	Cognitive-Communication Development and Disorders	G	CD, CHN, CCH	2 to 3	Fall 2006
ENGR	Electrical Engineering	ELEG	ELEG	5663	Interactive Computer Graphics to Communication Theory	G	CD, CT, OTH, RA	3	Fall 2006
WCOB	Accounting	ACCT	ACCT	5223	Accounting for Supply Chain & Retail	G	ANC	3	Fall 2007
WCOB	Economics	ECON	ECON	5243	Economics of Supply Chain & Retail	G	ANC	3	Spring 2007
WCOB	Finance	FINN	FINN	5223	Financial Markets & Valuation	G	ANC	3	Spring 2007
WCOB	Finance	FINN	FINN	5333	Investment Theory & Management	G	OTH	3	Fall 2007
WCOB	Finance	FINN	FINN	5413	Shollmier Investment Project	G	ANC	3	Spring 2008
WCOB	Finance	FINN	FINN	5443	Retail Finance	G	ANC	3	Fall 2007
WCOB	Information Systems	ISYS	ISYS	5363	Business Analytics	G	ANC	3	Spring 2007
WCOB	Information Systems	ISYS	ISYS	5433	Enterprise Systems	G	ANC	3	Spring 2008
WCOB	Business Administration	MBAD	MBAD	5013	MBA Foundations I	G	ELC	3	Fall 2006
WCOB	Business Administration	MBAD	MBAD	5023	MBA Foundations II	G	ELC	3	Fall 2006
WCOB	Business Administration	MBAD	MBAD	5241	Ethical Decision Making	G	ANC	3	Fall 2007
WCOB	Business Administration	MBAD	MBAD	535V	MBA Internship	G	ANC	variable	Summer 2007
WCOB	Business Administration	MBAD	MBAD	536V	Study Abroad-Special Problems	G	ANC	variable	Summer 2007
WCOB	Business Administration	MBAD	MBAD	5413	Partnering Project I to Partnering Project	G	CT	3	Spring 2008
WCOB	Business Administration	MBAD	MBAD	5423	Partnering Project II	G	ELC	3	Fall 2006

WCOB	Business Administration	MBAD	MBAD	5511	Focus Topic I to Prof. Dev. - Special Topics in Business	G	CT , CD	3	Spring 2007
WCOB	Business Administration	MBAD	MBAD	552V	Focus Week/Focus Weekend	G	ELC	3	Fall 2006
WCOB	Business Administration	MBAD	MBAD	5602	Introduction to the Value Chain	G	ANC	3	Summer 2006
WCOB	Business Administration	MBAD	MBAD	5613	Financial Accounting	G	ANC	3	Fall 2006
WCOB	Management	MGMT	MGMT from MBAD	5313	Strategic Management	G	OTH	3	Spring 2008
WCOB	Management	MGMT	MGMT	5323	New Venture Development and Small Business Management to New Venture Development	G	CD, CT	3	Fall 2007
WCOB	Management	MGMT	MGMT	5363	Strategic Innovation to Innovation & Creativity	G	CD, CT	3	Spring 2008
WCOB	Management	MGMT	MGMT	5223	Managing & Leading Organizations	G	ANC	3	Fall 2007
WCOB	Marketing & Logistics	MKTL	MKTG	5103	Retail Consumer Marketing	G	ANC	3	Spring 2007
WCOB	Marketing & Logistics	MKTL	MKTG	5433	Consumer and Market Research	G	CD	3	Fall 2007
WCOB	Marketing & Logistics	MKTL	MKTG	5543	Category Analysis & Management	G	ANC	3	Spring 2008
WCOB	Marketing & Logistics	MKTL	MKTG	5553	Buyer Behavior to Shopper, Buyer, and Consumer Behavior	G	CD, CT	3	Fall 2007
WCOB	Marketing & Logistics	MKTL	TLOG	5633	Retail & Consumer Products Supply Chain Management	G	ANC	3	Spring 2007
WCOB	Marketing & Logistics	MKTL	TLOG	5643	Strategic Issues in Transportation Management to Transportation Strategies in the Supply Chain	G	CD, CT	3	Fall 2006
WCOB	Marketing & Logistics	MKTL	TLOG	5653	Global Logistics Strategy to Global Logistics and Supply Management	G	CD, CT	3	Fall 2007

WCOB Marketing & Logistics

MKTL TLOG

5673 Transportation & Logistics Modeling to  
Modeling Retail & Consumer Products.  
Logistics

G

CD, CT

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Spring 2008

**TABLE C****UCPC****Dual Courses**

December 16, 2005

COLL	DEPARTMENT NAME	DEPT	CRSE ALPHA	CRSE NUM	CRSE TITLE	CREDIT LEVEL	ACTION	CREDIT HOURS	EFFECTIVE DATE
AFLS	Biological & Agricultural	BAEG	BENG	4203	Biomedical Engineering Principles	D to U	CD, CEGUC	3	Fall 2006
AFLS	Biological & Agricultural Engineering	BAEG	BENG	4213 to 3213	Applications of Biomedical Engineering to Biomedical Engineering	D To U	CD, CHN, CT, CEGUC, OTH	3	Fall 2006
AFLS	Biological & Agricultural	BAEG	BENG	4703	Food & Bioprocess Engineering to	D to U	CD, CT,	3	Fall 2006
AFLS	Biological & Agricultural Engineering	BAEG	BENG	4903	Natural Resources Engineering to Ecological Engineering Principles	D to U	CD, CT, CEGUC, OTH	3	Fall 2006
AFLS	Biological & Agricultural Engineering	BAEG	BENG	4913	Design of Animal Waste Management Systems	D	ELC	3	Fall 2006
AFLS	Biological & Agricultural Engineering	BAEG	BENG	4923	Non-Point Source Pollution Engineering to Ecological Engineering Design	D to U	CD, CT, CEGUC, OTH	3	Fall 2006
EDUC	Health, Kinesiology, Recreation & Dance	HKRD	HLSC	5613 to 4613	Principle of Epidemiology	G to D	CD, CHN, CEGUC	3	Fall 2006
ENGR	Industrial Engineering	INEG	INEG	4333 to 3333	Industrial Statistics	D to U	CD, CHN, OTH	3	Fall 2006
GRAD	Department of Graduate Dean	GRSD	GRAD	400V	Research Experience Undergraduate Internship	D	ANC	variable	Fall 2006



## KEY

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### 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

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

December 16, 2005

COLL	DEPARTMENT NAME	DEPT	CRSE ALPHA	CRSE NUM	CRSE TITLE	CREDIT LEVEL	ACTION	CREDIT HOURS	EFFECTIVE DATE
AFLS	Biological & Agricultural Engineering	BAEG	BENG	4133	Digital Remote Sensing and GIS	U	ANC	3	Fall 2006
AFLS	Biological & Agricultural Engineering	BAEG	BENG	4203	Biomedical Engineering Principles	D to U	CD, CEGUC	3	Fall 2006
AFLS	Biological & Agricultural Engineering	BAEG	BENG	4213 to 3213	Applications of Biomedical Engineering to Biomedical Engineering	D To U	CD, CHN, CT, CEGUC, OTH	3	Fall 2006
AFLS	Biological & Agricultural Engineering	BAEG	BENG	4703	Food & Bioprocess Engineering to Biotechnology Engineering	D to U	CD, CT, CEGUC, OTH	3	Fall 2006
AFLS	Biological & Agricultural Engineering	BAEG	BENG	4903	Natural Resources Engineering to Ecological Engineering Principles	D to U	CD, CT, CEGUC, OTH	3	Fall 2006
AFLS	Biological & Agricultural Engineering	BAEG	BENG	4923	Non-Point Source Pollution Engineering to Ecological Engineering Design	D to U	CD, CT, CEGUC, OTH	3	Fall 2006
ARCH	Department of Architecture	ARCD	ARCH	302V	Seminar	U	ELC	variable	Fall 2006
ARCH	Department of Architecture	ARCD	ARCH	4433	History of Architecture Ii	U	ELC	3	Fall 2006
ARCH	Department of Architecture	ARCD	ARCH	4620	Architectural Cooperative Education II	U	ELC	3	Fall 2006
ARCH	Department of Architecture	ARCD	ARCH	4630	Architectural Cooperative Education III	U	ELC	3	Fall 2006
ARCH	Department of Architecture	ARCD	ARCH	4640	Architectural Cooperative Education IV	U	ELC	3	Fall 2006
ARCH	Department of Architecture	ARCD	ARCH	5173	Architectural Technology VII: Vernacular Systems	U	ELC	3	Fall 2006

AFLS	Crop, Soil & Environmental Sciences	CSES	ENSC	1012	Orientation to Crop, Soil & Environmental Science	U	ELC	2	Fall 2006
AFLS	Entomology	ENTO	ENTO	4093	Issues in Pest Management	U	ELC	3	Fall 2006
EDUC	Health, Kinesiology, Recreation & Dance	HKRD	KINS	3703 to 3702	Measurement Concepts in Kinesiology	U	CD, CCH, CHN	3 to 2	Fall 2006
EDUC	Health, Kinesiology, Recreation & Dance	HKRD	PHED	1003	The Physical Education Profession: An Overview	U	ANC	3	Fall 2006
EDUC	Health, Kinesiology, Recreation & Dance	HKRD	PHED	3042 to 3043	Teaching Fitness	U	CD, CCH, CHN	3	Fall 2006
EDUC	Health, Kinesiology, Recreation & Dance	HKRD	PHED	3074	Secondary Physical Education	U	ANC	3	Fall 2006
EDUC	Health, Kinesiology, Recreation & Dance	HKRD	PHED	3373	Methods and Materials in Physical Education for Elementary School to Elementary Physical Education	U	CT	3	Fall 2006
EDUC	Health, Kinesiology, Recreation & Dance	HKRD	PHED	4023	Class Management	U	ANC	3	Fall 2006
EDUC	Health, Kinesiology, Recreation & Dance	HKRD	PHED	407V	Physical Education Teaching Internship	U	ANC	variable	Fall 2006
EDUC	Health, Kinesiology, Recreation & Dance	HKRD	PHED	4263	Professional Issues in Physical Education	U	ANC	variable	Fall 2006
EDUC	Health, Kinesiology, Recreation & Dance	HKRD	PHED	4731	Senior Seminar	U	ANC	1	Fall 2006
EDUC	Health, Kinesiology, Recreation & Dance	HKRD	RECR to PHED	1001L to 2002	Outdoor Recreation Laboratory to Teaching and Leading Outdoor Recreation and Experiential Activities	U	CD, CT, CCH, CHN	1 to 2	Fall 2006
EDUC	Eleanor Mann School of Nursing	NURS	NURS	3341L	Technical Interventions in Nursing: Laboratory III	U	ELC	1	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	HRDV	4603	HRD Practicum: Introduction To HRD I	U	ANC	3	Fall 2006

EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	HRDV	4613	HRD Practicum: Theory & Principles of Adult Education	U	ANC	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	HRDV	4623	HRD Practicum: Communication	U	ANC	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	HRDV	4633	HRD Practicum: Skills and Strategies	U	ANC	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	HRDV	4643	HRD Practicum: Needs Assessment & Evaluation	U	ANC	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	HRDV	4653	HRD Practicum: Group Dynamics	U	ANC	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	HRDV	4663	HRD Practicum: Leadership	U	ANC	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	HRDV	4673	HRD Practicum: Professional Development	U	ANC	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	HRDV	4683	HRD Practicum: Introduction to HRD II	U	ANC	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	HRDV	4693	HRD Practicum: Advanced Skills & Strategies	U	ANC	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	ITED	1403	Power & Energy	U	ELC	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	ITED	1411L	Principles of Electricity Laboratory	U	ELC	1	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	ITED	2211L	Industrial Design Laboratory	U	ELC	1	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	ITED	2311L	Metal Fabrication Laboratory	U	ELC	1	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	ITED	2421L	Industrial Maintenance Laboratory	U	ELC	1	Fall 2006

EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	ITED	2611L	Machine Tool Manufacturing Laboratory	U	ELC	1	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	ITED	3221L	Drafting Technology II Laboratory	U	ELC	1	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	ITED	3321L	Construction Coating Application Laboratory	U	ELC	1	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	ITED	3431L	Exploring Electronics Technology Laboratory	U	ELC	1	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	ITED	3621L	Wood Processing Technology Laboratory	U	ELC	1	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	ITED	3623	Wood Processing Technology	U	ELC	1	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	ITED	3631L	Plastics in Industry Laboratory	U	ELC	1	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	ITED	4643	Industrial Safety II	U	ELC	1	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	TEED	1103	The Nature of Technology	U	ANC	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	TEED	2103	Technology and Society	U	ANC	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	TEED	3103	Technological Research, Experimentation, and Trouble-shooting	U	ANC	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	TEED	3203	Information and Communication Systems	U	ANC	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	TEED	3303	Energy, Power & Transportation	U	ANC	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	TEED	4103	Engineering Design for Technology Education Capstone	U	ANC	3	Fall 2006

EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	VAED TO HRDV	3113	Skills/Strategies in Human Resource Development	U	CD, OTH	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	VAED TO HRDV	3123	Theory and Principles of Needs Assessment and Evaluation in Human Resource Development	U	CD, OTH	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	VAED TO HRDV	3133	Communication in Human Resource Development	U	CD, OTH	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	VAED TO HRDV	3213	Introduction to Human Resource Development	U	CD, OTH	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	VAED TO HRDV	3403	Employment Law in Human Resource Development	U	CD, OTH	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	VAED TO HRDV	3503	Workforce Behavior	U	CD, OTH	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	VAED TO HRDV	4113	Theory and Principles of Adult Education	U	CD, OTH	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	VAED TO HRDV	4133	Applied Theory/Principle of Group Dynamics	U	CD, OTH	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	VAED TO HRDV	4213	Strategies in Professional Development	U	CD, OTH	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	VAED TO HRDV	4233	Leadership in Human Resource Development	U	CD, OTH	3	Fall 2006

EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	VAED TO HRDV	450V	Experiential Learning	U	CD, OTH	variable	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	VOED	1001	Practicum in Vocational Education	U	ANC	1	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	VOED	4023	Classroom Management	U	ANC	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	VOED	4033	Assessment/Program Evaluation	U	ANC	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	VOED	4041	Laboratory Management in Vocational Education	U	ANC	1	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	VOED	4051	Seminar Teaching Internship	U	ANC	1	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	VOED	406V	Teaching Internship	U	ANC	variable	Fall 2006
ENGR	Computer Science & Computer Engineering	CSCE	CENG	1111L	Introduction to Computers Laboratory	U	ELC	1	Fall 2006
ENGR	Computer Science & Computer Engineering	CSCE	CENG	1113	Introduction to Computers	U	ELC	3	Fall 2006
ENGR	Computer Science & Computer Engineering	CSCE	CSCE	4513 to 3513	Software Engineering	U	CHN	3	Fall 2006
ENGR	Electrical Engineering	ELEG	ELEG	2903 to 1903	Digital Design I	U	CHN	3	Fall 2006
ENGR	Electrical Engineering	ELEG	ELEG	2913 to 1913	Digital Design II	U	CHN	3	Fall 2006
ENGR	Industrial Engineering	INEG	INEG	2513 to 3513	Manufacturing System Design to Manufacturing System Design and Processes	U	CD, CT, CHN, OTH	3	Fall 2006
ENGR	Industrial Engineering	INEG	INEG	4333 to 3333	Industrial Statistics	D to U	CD, CHN, OTH	3	Fall 2006

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

December 16, 2005

COLL	DEPARTMENT NAME	DEPT	CRSE ALPHA	CRSE NUM	CRSE TITLE	CREDIT LEVEL	ACTION	CREDIT HOURS	EFFECTIVE DATE
AFLS	Biological & Agricultural Engineering	BAEG	BENG	5113	Agricultural Remote Sensing and GIS to Digital Remote Sensing and GIS	G	CT, CD, OTH	3	Fall 2006
AFLS	Biological & Agricultural Engineering	BAEG	BENG	5263	Biomedical Engineering Principles	G	ANC	3	Fall 2006
AFLS	Biological & Agricultural Engineering	BAEG	BENG	5743	Biotechnology Engineering	G	ANC	3	Fall 2006
AFLS	Biological & Agricultural Engineering	BAEG	BENG	5943	Ecological Engineering Principles	G	ANC	3	Fall 2006
AFLS	Biological & Agricultural Engineering	BAEG	BENG	5953	Ecological Engineering Design	G	ANC	3	Fall 2006
EDUC	Curriculum & Instruction	CIED	CIED	5013	Measurement, Research and Statistical Concepts in the Schools	G	ANC	3	Summer 2006
EDUC	Curriculum & Instruction	CIED	CIED	5053	Multicultural Issues in Elementary Education	G	ANC	3	Summer 2006
EDUC	Curriculum & Instruction	CIED	CIED	5733	Inclusive Practices for Diverse Populations	G	ANC	3	Fall 2006
EDUC	Curriculum & Instruction	CIED	CIED	5743	Teaching Persons with Physical and Health Disabilities	G	ANC	3	Fall 2006
EDUC	Curriculum & Instruction	CIED	CIED	6053	Advanced Assessment	G	ANC	3	Fall 2006
EDUC	Curriculum & Instruction	CIED	CIED	6063	Systemic Change in Education	G	ANC	3	Fall 2006
EDUC	Curriculum & Instruction	CIED	CIED	6313	Issues, History, and Rationale of Science Education	G	ANC	3	Fall 2006
EDUC	Curriculum & Instruction	CIED	CIED	6333	Nature of Science: Philosophy of Science for Science Educators	G	ANC	3	Fall 2006
EDUC	Curriculum & Instruction	CIED	CIED	6343	Advanced Science Teaching Methods	G	ANC	3	Fall 2006



EDUC	Educational Leadership, Counseling & Foundations	ELCF	CNED	6711	Advanced Counseling Practicum	G	ANC	1	Fall 2006
EDUC	Health, Kinesiology, Recreation & Dance	HKRD	HLSC	5613 to 4613	Principle of Epidemiology	G to D	CD, CHN, CEGUC	3	Fall 2006
EDUC	Rehabilitation, Human Resources & Communication Disorders	RHRC	CDIS	5142 to 5143	Cognitive-Communication Development and Disorders	G	CD, CHN, CCH	2 to 3	Fall 2006
ENGR	Electrical Engineering	ELEG	ELEG	5663	Interactive Computer Graphics to Communication Theory	G	CD, CT, OTH, RA	3	Fall 2006
WCOB	Accounting	ACCT	ACCT	5223	Accounting for Supply Chain & Retail	G	ANC	3	Fall 2007
WCOB	Economics	ECON	ECON	5243	Economics of Supply Chain & Retail	G	ANC	3	Spring 2007
WCOB	Finance	FINN	FINN	5223	Financial Markets & Valuation	G	ANC	3	Spring 2007
WCOB	Finance	FINN	FINN	5333	Investment Theory & Management	G	OTH	3	Fall 2007
WCOB	Finance	FINN	FINN	5413	Shollmier Investment Project	G	ANC	3	Spring 2008
WCOB	Finance	FINN	FINN	5443	Retail Finance	G	ANC	3	Fall 2007
WCOB	Information Systems	ISYS	ISYS	5363	Business Analytics	G	ANC	3	Spring 2007
WCOB	Information Systems	ISYS	ISYS	5433	Enterprise Systems	G	ANC	3	Spring 2008
WCOB	Business Administration	MBAD	MBAD	5013	MBA Foundations I	G	ELC	3	Fall 2006
WCOB	Business Administration	MBAD	MBAD	5023	MBA Foundations II	G	ELC	3	Fall 2006
WCOB	Business Administration	MBAD	MBAD	5241	Ethical Decision Making	G	ANC	3	Fall 2007
WCOB	Business Administration	MBAD	MBAD	535V	MBA Internship	G	ANC	variable	Summer 2007
WCOB	Business Administration	MBAD	MBAD	536V	Study Abroad-Special Problems	G	ANC	variable	Summer 2007
WCOB	Business Administration	MBAD	MBAD	5413	Partnering Project I to Partnering Project	G	CT	3	Spring 2008
WCOB	Business Administration	MBAD	MBAD	5423	Partnering Project II	G	ELC	3	Fall 2006

WCOB	Business Administration	MBAD	MBAD	5511	Focus Topic I to Prof. Dev. - Special Topics in Business	G	CT , CD	3	Spring 2007
WCOB	Business Administration	MBAD	MBAD	552V	Focus Week/Focus Weekend	G	ELC	3	Fall 2006
WCOB	Business Administration	MBAD	MBAD	5602	Introduction to the Value Chain	G	ANC	3	Summer 2006
WCOB	Business Administration	MBAD	MBAD	5613	Financial Accounting	G	ANC	3	Fall 2006
WCOB	Management	MGMT	MGMT from MBAD	5313	Strategic Management	G	OTH	3	Spring 2008
WCOB	Management	MGMT	MGMT	5323	New Venture Development and Small Business Management to New Venture Development	G	CD, CT	3	Fall 2007
WCOB	Management	MGMT	MGMT	5363	Strategic Innovation to Innovation & Creativity	G	CD, CT	3	Spring 2008
WCOB	Management	MGMT	MGMT	5223	Managing & Leading Organizations	G	ANC	3	Fall 2007
WCOB	Marketing & Logistics	MKTL	MKTG	5103	Retail Consumer Marketing	G	ANC	3	Spring 2007
WCOB	Marketing & Logistics	MKTL	MKTG	5433	Consumer and Market Research	G	CD	3	Fall 2007
WCOB	Marketing & Logistics	MKTL	MKTG	5543	Category Analysis & Management	G	ANC	3	Spring 2008
WCOB	Marketing & Logistics	MKTL	MKTG	5553	Buyer Behavior to Shopper, Buyer, and Consumer Behavior	G	CD, CT	3	Fall 2007
WCOB	Marketing & Logistics	MKTL	TLOG	5633	Retail & Consumer Products Supply Chain Management	G	ANC	3	Spring 2007
WCOB	Marketing & Logistics	MKTL	TLOG	5643	Strategic Issues in Transportation Management to Transportation Strategies in the Supply Chain	G	CD, CT	3	Fall 2006
WCOB	Marketing & Logistics	MKTL	TLOG	5653	Global Logistics Strategy to Global Logistics and Supply Management	G	CD, CT	3	Fall 2007

WCOB Marketing & Logistics

MKTL TLOG

5673 Transportation & Logistics Modeling to  
Modeling Retail & Consumer Products.  
Logistics

G

CD, CT

3

Spring 2008

**TABLE C****UCPC****Dual Courses**

December 16, 2005

COLL	DEPARTMENT NAME	DEPT	CRSE ALPHA	CRSE NUM	CRSE TITLE	CREDIT LEVEL	ACTION	CREDIT HOURS	EFFECTIVE DATE
AFLS	Biological & Agricultural	BAEG	BENG	4203	Biomedical Engineering Principles	D to U	CD, CEGUC	3	Fall 2006
AFLS	Biological & Agricultural Engineering	BAEG	BENG	4213 to 3213	Applications of Biomedical Engineering to Biomedical Engineering	D To U	CD, CHN, CT, CEGUC, OTH	3	Fall 2006
AFLS	Biological & Agricultural	BAEG	BENG	4703	Food & Bioprocess Engineering to	D to U	CD, CT,	3	Fall 2006
AFLS	Biological & Agricultural Engineering	BAEG	BENG	4903	Natural Resources Engineering to Ecological Engineering Principles	D to U	CD, CT, CEGUC, OTH	3	Fall 2006
AFLS	Biological & Agricultural Engineering	BAEG	BENG	4913	Design of Animal Waste Management Systems	D	ELC	3	Fall 2006
AFLS	Biological & Agricultural Engineering	BAEG	BENG	4923	Non-Point Source Pollution Engineering to Ecological Engineering Design	D to U	CD, CT, CEGUC, OTH	3	Fall 2006
EDUC	Health, Kinesiology, Recreation & Dance	HKRD	HLSC	5613 to 4613	Principle of Epidemiology	G to D	CD, CHN, CEGUC	3	Fall 2006
ENGR	Industrial Engineering	INEG	INEG	4333 to 3333	Industrial Statistics	D to U	CD, CHN, OTH	3	Fall 2006
GRAD	Department of Graduate Dean	GRSD	GRAD	400V	Research Experience Undergraduate Internship	D	ANC	variable	Fall 2006

## KEY

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### 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

**University Course and Programs Committee**  
**16-Dec-05**

**TABLE ONE**

**Dale Bumpers College of Agricultural, Food, and Life Sciences**

Department of Crop, Soil and Environmental Sciences

WLHA-M - Wildlife Habitat Minor - Attachment 1A

Several courses in Biology have been removed either because they have been eliminated by the Biology Department or they are graduate level courses cannot be taken by undergraduate students as specified in the attachment.

**TABLE TWO**

**Walton College of Business**

Business Minor for Business Students - Attachment 2A

Include the 2.0 GPA requirement for business minors for business students seeking business minors as specified in the attachment.

BSBA - Business College Foreign Language Concentration Requirement - Attachment 2B

Modify foreign language concentration requirement to reflect the curriculum requirement of 15 hours for junior/senior business electives as specified in the attachment.

WISY-M - Information Systems Minor - Attachment 2C

Add two classes under the heading "Information Systems Minor for Business Students" as specified in the attachment.

WERP-M - Enterprise Resource Planning Minor - Attachment 2D

Change interdisciplinary Enterprise Resource Planning Minor for business students as specified in the attachment.

Business Administration Minors for Non-Business Students - Attachment 2E

Add two concentrations to the business minor listing for non-business students as specified in the attachment.

MBA - Master of Business Administration - Attachment 2F

Change in format and course requirements as specified in the attachment.

**UCPC December 2005**

**12/16/2005**

**TABLE THREE**

**College of Education and Health Professions**

Department of Rehabilitation, Human Resources, and Communication Disorders

VOEDBS - Human Resource Development Concentration - Attachment 3A  
Rename course prefixes from VAED and ITED to HRDV and reorganize  
ITED 456V into separate discrete non-repeatable fixed-hour courses as  
specified in the attachment.

VOEDBS- Industrial and Technology Education Concentration - Attachments 3B-3E  
Change the Industrial and Technical Education component of VOED program to Technology  
Education as specified in the attachments.

PBTEBS - Performance-Based Teacher Education Concentration - Attachments 3F-3H  
Change name from Performance-Based Teacher Education (PBTE) to Competency-Based  
Teacher Development (CBTD) and course requirements as specified in the attachments.

**TABLE FOUR**

**College of Engineering**

Department of Biological and Agricultural Engineering

BENGBS - Changes is degree requirements, elimination of one concentration and  
other changes as specified in the attachment.

# ATTACHMENT 1A

## 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
Undergraduate Program Committee Chair	Date	Board of Trustees Approval Date	
Graduate Council Chair	Date	Arkansas Higher Education Coordinating Board Approval 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 2006

Current Name Wildlife Habitat Minor

College, School, Division AFLS Department Code CSES

Current Code (6 digit Alpha) WLHA-M Proposed Code (6 digit Alpha) \_\_\_\_\_  
Prior approval from the Office of the Registrar is required.

Interdisciplinary Program CIP Code 03.0601  
Prior assignment from Office of Institutional Research is required.

Proposed Name Wildlife Habitat Minor  
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:  
REMOVED - BIOL 4723 has been permanently deleted.  
REMOVED - BIOL 5743 and BIOL 5783 are graduate level courses and undergraduate students cannot enroll in them  
REPLACED - BIOL 4933 with BIOL 480V Special Problems in Biology since BIOL 4933 is being deleted

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.)*

**Several courses in Biology have been removed either because they have been eliminated by the Biology Department or because they are graduate level courses that cannot be taken by our undergraduate students.**

#### **SECTION VII: Catalog Text and Format**

*Insert the current catalog text and the proposed catalog text. Be sure that the proposed text includes all the elements listed below in order. Do not include university requirements or college requirements. Do not substitute a sample schedule for an explicit statement of requirements. Use standard terms and vocabulary (see Academic Policy 1621.10).*

**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:**

#### **Requirement for a minor in Wildlife Habitat:**

**20 semester hours of course credits selected from three groups. (A maximum of 9 hours of CSES or ENSC courses will be allowed to fulfill the requirements for both a major and minor in the Department of Crop, Soil, and Environmental Sciences).**

#### **Group A (12 hours)**

**CSES 1203, or CSES 2103, or BIOL 1613/1611L**

**CSES 2203, ENSC 3103, and BIOL 4933**

**Select the remaining 8 hours from the following two groups with at least one course from each group:**

#### **Group B:**

**ENSC 1003, ENSC 3003, ENSC 3223, ENSC 3603, BIOL 3863, BIOL 3861L**

**or CSES 462V (suggested internship with Arkansas Game and Fish Commission or the National Resources Conservation Service)**

#### **Group C**

**AGEC 3413, BIOL 4723, BIOL 4763, BIOL 4833, BIOL 5743, BIOL 5783, CSES 2201L, CSES 355V,**

**CSES 4133, CSES 4253, ENTO 3013, GEOG 3003, GEOG 3343, GEOG 4093, RECR 1023**

**A student planning to minor in Wildlife Habitat must notify the Department of Crop, Soil, and Environmental Sciences and consult an advisor for more detailed information.**

#### **Proposed catalog copy:**

1622.20A p/vcaa 10/1/00  
Wildlife Habitat.doc

C:\program files\qualcomm\eudora\attach\UCPC DEC. ATTACHMENT 1A -

**The Wildlife Habitat Minor will consist of 20 semester hours of courses and will include the following:**

**Group A (12 hours)\*\***

- CSES 1203 Plant Science (or CSES 2103, Crop Science, or BIOL 1613/1611L, Plant Biology)
- CSES 2203 Soil Science
- ENSC 3103 Plants and Environmental Restoration
- BIOL 480V Special Problem in Biology (Wildlife Management Techniques)

**The remaining minimum of 8 hours will come from the following groups:**

**Group B (select at least 1 course from each group)**

- ENSC 1003 Environmental Science
- ENSC 3003 Introduction to Water Science
- ENSC 3223 Ecosystems Assessment
- ENSC 3603 GIS/GPS For Environmental Science
- BIOL 3863 General Ecology
- BIOL 3861 General Ecology Lab
- CSES 462V Internship with Arkansas Game and Fish Commission (optional based on availability)

**Group C**

- AGEC 3413 Principles of Environmental Economics
- BIOL 4763 Ornithology
- BIOL 4833 Animal Behavior
- CSES 2201L Soil Science Lab
- CSES 355V Soil Profile Descriptions
- CSES 4133 Weed ID, Morphology and Ecology
- CSES 4253 Soil Classification
- ENTO 3013 Introduction to Entomology
- GEOG 3003 Conservation of Natural Resources
- GEOG 3343 Natural Regions of North America
- GEOG 4093 Geography of Arkansas
- RECR 1023 Recreation and Natural Resources

**\* A student planning to minor in Wildlife Habitat must notify the program adviser for consultation and more detailed information.**

**\*\*A maximum of 9 hours of CSES or ENSC course work will be allowed to count towards the student's major as well as the minor.**

**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**  
**16-Dec-05**

**TABLE ONE**

**Dale Bumpers College of Agricultural, Food, and Life Sciences**

Department of Crop, Soil and Environmental Sciences

WLHA-M - Wildlife Habitat Minor - Attachment 1A

Several courses in Biology have been removed either because they have been eliminated by the Biology Department or they are graduate level courses cannot be taken by undergraduate students as specified in the attachment.

**TABLE TWO**

**Walton College of Business**

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Modify foreign language concentration requirement to reflect the curriculum requirement of 15 hours for junior/senior business electives as specified in the attachment.

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Add two classes under the heading "Information Systems Minor for Business Students" as specified in the attachment.

WERP-M - Enterprise Resource Planning Minor - Attachment 2D

Change interdisciplinary Enterprise Resource Planning Minor for business students as specified in the attachment.

Business Administration Minors for Non-Business Students - Attachment 2E

Add two concentrations to the business minor listing for non-business students as specified in the attachment.

MBA - Master of Business Administration - Attachment 2F

Change in format and course requirements as specified in the attachment.

**UCPC December 2005**

**12/16/2005**

**TABLE THREE**

**College of Education and Health Professions**

Department of Rehabilitation, Human Resources, and Communication Disorders

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ITED 456V into separate discrete non-repeatable fixed-hour courses as  
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VOEDBS- Industrial and Technology Education Concentration - Attachments 3B-3E  
Change the Industrial and Technical Education component of VOED program to Technology  
Education as specified in the attachments.

PBTEBS - Performance-Based Teacher Education Concentration - Attachments 3F-3H  
Change name from Performance-Based Teacher Education (PBTE) to Competency-Based  
Teacher Development (CBTD) and course requirements as specified in the attachments.

**TABLE FOUR**

**College of Engineering**

Department of Biological and Agricultural Engineering

BENGBS - Changes is degree requirements, elimination of one concentration and  
other changes as specified in the attachment.

## 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
Undergraduate Program Committee Chair	Date	Board of Trustees Approval Date	
Graduate Council Chair	Date	Arkansas Higher Education Coordinating Board Approval 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 \_\_\_\_\_

Current Name \_\_\_\_\_

College, School, Division **BADM** Department Code \_\_\_\_\_

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

Interdisciplinary Program CIP Code \_\_\_\_\_  
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 **2006**

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: **Include the 2.0 GPA requirement for business minors for business students.**

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 minor GPA requirement for non-business students is a 2.00. Business minors for business students was recently introduced to the WCOB curriculum. Therefore, the intent is to ensure that business students seeking business minors must also meet the 2.00 GPA requirement.**

**SECTION VII: Catalog Text and Format**

*Insert the current catalog text and the proposed catalog text. Be sure that the proposed text includes all the elements listed below in order. Do not include university requirements or college requirements. Do not substitute a sample schedule for an explicit statement of requirements. Use standard terms and vocabulary (see Academic Policy 1621.10).*

**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:**

**All requirements for the minor must be completed prior to the awarding of the student's undergraduate degree. All specific course prerequisites must be met.**

**Proposed catalog text for minors for business students in Accounting, Economics, Finance, Information Systems, Management, Marketing, Transportation, Enterprise Resource Planning, and Financial Economics should be:**

**All requirements for the minor must be completed prior to the awarding of the student's undergraduate degree. All specific course prerequisites must be met. Each student must have a 2.00 cumulative grade-point average in the courses offered for the minor.**

**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

(4) Institutional Research

(5) Continuing Education  
Initials \_\_\_\_\_

Date \_\_\_\_\_

(6) Graduate School

## ATTACHMENT 2B

### 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
Undergraduate Program Committee Chair	Date	Board of Trustees Approval Date	
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#### 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 \_\_\_\_\_

Current Name \_\_\_\_\_

College, School, Division BADM Department Code \_\_\_\_\_

Current Code (6 digit Alpha) BSBA Proposed Code (6 digit Alpha) \_\_\_\_\_  
Prior approval from the Office of the Registrar is required.

Interdisciplinary Program CIP Code \_\_\_\_\_  
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 2006

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: Modify Foreign Language concentration requirement to reflect new curriculum requirements of 15 hours for junior/senior business electives.

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.)



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.)*

**Requirements for junior/senior business electives are 15 hours. Current catalog refers to option to complete 12 hours of foreign language in lieu of junior/senior business electives.**

**SECTION VII: Catalog Text and Format**

*Insert the current catalog text and the proposed catalog text. Be sure that the proposed text includes all the elements listed below in order. Do not include university requirements or college requirements. Do not substitute a sample schedule for an explicit statement of requirements. Use standard terms and vocabulary (see Academic Policy 1621.10).*

**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.**

**Foreign Language Requirement**

**An undergraduate B.S.B.A. degree-seeking student may elect to substitute 12 hours in a single upper-level foreign language for 12 hours in the junior-senior business elective block of courses for the degree requirements. Students may not present a combination of foreign language and junior-senior business electives to fulfill this requirement.**

**Proposed Text:**

**Foreign Language Requirement**

**An undergraduate B.S.B.A. degree-seeking student may elect to substitute 12 to 15 hours in a single upper-level foreign language for 12 to 15 of the 15 hours required in the junior-senior business elective block of courses for the degree requirements.**

**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

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(1) College  
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(3) Admissions

(4) Institutional Research

(5) Continuing Education

Initials \_\_\_\_\_ Date \_\_\_\_\_

(6) Graduate School

## ATTACHMENT 2C

### 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
Undergraduate Program Committee Chair	Date	Board of Trustees Approval Date	
Graduate Council Chair	Date	Arkansas Higher Education Coordinating Board Approval 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 \_\_\_\_\_

Current Name \_\_\_\_\_

College, School, Division **BADM** Department Code **ISYS**

Current Code (6 digit Alpha) **WISY-M** Proposed Code (6 digit Alpha) \_\_\_\_\_  
Prior approval from the Office of the Registrar is required.

Interdisciplinary Program CIP Code \_\_\_\_\_  
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: **Add two classes under the heading "Information Systems Minor for Business Students". ADD: WCOB 4213 ERP Fundamentals and ISYS 4293 Business Intelligence.**

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.)*

**To expand course selection options for Walton College students desiring more knowledge of Information Systems to assist them in their careers. No other programs affected.**

#### **SECTION VII: Catalog Text and Format**

*Insert the current catalog text and the proposed catalog text. Be sure that the proposed text includes all the elements listed below in order. Do not include university requirements or college requirements. Do not substitute a sample schedule for an explicit statement of requirements. Use standard terms and vocabulary (see Academic Policy 1621.10).*

**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 INFORMATION IN THE 2005-2006 CATALOG:**

##### **Information Systems Minor for Business Students:**

**The Department of Information Systems offers a minor for Walton College students desiring more knowledge of information systems to assist them in their careers. The minor requires completion of 15 hours of study with all of the courses applied toward the minor in residence. The 15 hours include the following courses:**

**ISYS 2263 Intro. to Information Systems Development**

**ISYS 3253 IT Infrastructure**

**ISYS 3293 System Analysis and Design**

**ISYS 3393 Business Applications and Visual Basic**

**Plus one of the following:**

**ISYS 4373 Object Oriented Programming**

**ISYS 4283 Centralized Data Systems**

**Students who desire to earn an Information Systems minor must notify the Walton College Undergraduate Programs Office of intent to pursue a minor. All requirements for the minor must be completed prior to the awarding of the student's undergraduate degree. All specific course prerequisites must be met.**

#### **PROPOSED CATALOG TEXT:**

##### **Information Systems Minor for Business Students:**

**The Department of Information Systems offers a minor for Walton**

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**College students desiring more knowledge of information systems to assist them in their careers. The minor requires completion of 15 hours of study with all of the courses applied toward the minor in residence. The 15 hours include the following courses:**

**ISYS 2263 Intro. to Information Systems Development**

**ISYS 3253 IT Infrastructure**

**ISYS 3293 System Analysis and Design**

**ISYS 3393 Business Applications and Visual Basic**

**Plus one of the following:**

**ISYS 4373 Object Oriented Programming**

**ISYS 4283 Centralized Data Systems**

**WCOB 4213 ERP Fundamentals**

**ISYS 4293 Business Intelligence**

**Students who desire to earn an Information Systems minor must notify the Walton College Undergraduate Programs Office of intent to pursue a minor. All requirements for the minor must be completed prior to the awarding of the student's undergraduate degree. All specific course prerequisites must be met.**

### **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 2D

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
Undergraduate Program Committee Chair Date Board of Trustees Approval Date
Graduate Council Chair Date Arkansas Higher Education Coordinating Board Approval Date

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

Academic Unit: [ ] Major/Field of Study [X] Minor [ ] Other Unit
Level: [X] Undergraduate [ ] Graduate [ ] Law Effective Catalog Year

Current Name

College, School, Division BADM

Department Code WCOB

Current Code (6 digit Alpha) WERP-M

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

[ ] Interdisciplinary Program

CIP Code
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.'

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: Change to the current interdisciplinary 'Enterprise Resource Planning Minor' to correct ISYS 4223 (it should be WCOB 4223), and to add two classes: ISYS 4293 Business Intelligence and ISYS 4453 Introduction to Enterprise Servers.

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.)*

**To expand course selection options for Walton College students desiring more knowledge of Enterprise Resource Planning to assist them in their careers. No other programs affected.**

## **SECTION VII: Catalog Text and Format**

*Insert the current catalog text and the proposed catalog text. Be sure that the proposed text includes all the elements listed below in order. Do not include university requirements or college requirements. Do not substitute a sample schedule for an explicit statement of requirements. Use standard terms and vocabulary (see Academic Policy 1621.10).*

**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:**

#### **Enterprise Resource Planning Minor:**

**The Walton College offers an interdisciplinary minor in Enterprise Resource Planning (ERP). ERP systems are large-scale programs, which are used by many large companies to integrate their business processes and run the organization using primarily one software system. The minor requires completion of 15 hours of study with all of the courses applied toward the minor taken in residence. The 15 hours include:**

**WCOB 4213 ERP Fundamentals**

**ISYS 4223 ERP Configuration and Implementation**

**Plus nine hours from the following courses:**

**ACCT 3013 Accounting View of Economic Events**

**ACCT 3533 Accounting Technology**

**ISYS 4233 ERP Development**

**TLOG 3443 Principles of Transportation**

**TLOG 3613 Business Logistics**

**TLOG 3623 Purchasing and Inventory Systems**

**Students who desire to earn an Enterprise Resource Planning minor must notify the Walton College Undergraduate Programs Office of intent to pursue a minor. All requirements for the minor must be completed prior to the awarding of the student's undergraduate degree. All specific course prerequisites must be met.**

**PROPOSED CATALOG TEXT:**

**Enterprise Resource Planning Minor:**

**The Walton College offers an interdisciplinary minor in Enterprise Resource Planning (ERP). ERP systems are large-scale programs, which are used by many large companies to integrate their business processes and run the organization using primarily one software system. The minor requires completion of 15 hours of study with all of the courses applied toward the minor taken in residence. The 15 hours include:**

**WCOB 4213 ERP Fundamentals**

**WCOB 4223 ERP Configuration and Implementation**

**Plus nine hours from the following courses:**

**ACCT 3013 Accounting View of Economic Events**

**ACCT 3533 Accounting Technology**

**ISYS 4233 ERP Development**

**ISYS 4293 Business Intelligence**

**ISYS 4453 Introduction to Enterprise Servers**

**TLOG 3443 Principles of Transportation**

**TLOG 3613 Business Logistics**

**TLOG 3623 Purchasing and Inventory Systems**

**Students who desire to earn an Enterprise Resource Planning minor must notify the Walton College Undergraduate Programs Office of intent to pursue a minor. All requirements for the minor must be completed prior to the awarding of the student's undergraduate degree. All specific course prerequisites must be met.**

**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 2E

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
Undergraduate Program Committee Chair Date Board of Trustees Approval Date
Graduate Council Chair Date Arkansas Higher Education Coordinating Board Approval Date

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

Academic Unit: [ ] Major/Field of Study [X] Minor [ ] Other Unit
Level: [ ] Undergraduate [ ] Graduate [ ] Law Effective Catalog Year
Current Name
College, School, Division BADM Department Code WCOB
Current Code (6 digit Alpha) Proposed Code (6 digit Alpha)
[ ] Interdisciplinary Program CIP Code
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: Add concentrations: "Enterprise Resource Planning" and "Enterprise Systems" under the heading of "Business Administration Minors for Non-Business Students"

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.)*

**To expand options for a non-business major by allowing them to obtain knowledge that will assist them in making sustained contributions to organizations and society in a global, diverse, dynamic environment by allowing them to focus on Enterprise Resource Planning concepts and Enterprise Systems concepts in business. No other programs affected.**

#### **SECTION VII: Catalog Text and Format**

*Insert the current catalog text and the proposed catalog text. Be sure that the proposed text includes all the elements listed below in order. Do not include university requirements or college requirements. Do not substitute a sample schedule for an explicit statement of requirements. Use standard terms and vocabulary (see Academic Policy 1621.10).*

**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.**

#### **THIS IS THE CURRENT CATALOG TEXT:**

##### **Business Administration Minors**

##### **for Non-Business Students**

**To facilitate students outside Walton College in obtaining knowledge that will assist them in making sustained contributions to organizations and society in a global, diverse, and dynamic environment,**

**Walton College offers a business minor. The minor requires completion of a minimum of 21 required hours of study (including equivalencies)**

**with at least 50 percent of the courses applied toward the minor taken in residence. Each student must have a 2.00 cumulative grade-point average in the courses offered for the minor.**

**All students seeking a business minor are required to complete the Walton College computer competency requirement (WCOB 1120) and the following courses:**

**ECON 2143 Basic Economics Theory and Practice**

**WCOB 1023 Business Foundations**

**WCOB 1033 Data Analysis and Interpretation or equivalent**

**In addition, students must select and complete one of the following concentrations:**

##### **Concentration 1 – General Business**

**Select 12 hours from the following courses (at least 6 hours must be at the 3000 or 4000 level).**

**WCOB 1012 Legal Environment of Business**

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WCOB 2013 Markets and Consumers  
WCOB 2023 Production and Delivery of Goods and Services  
WCOB 2033 Acquiring and Managing Human Resources  
WCOB 2043 Acquiring and Managing Financial Resources  
Plus any other 3000- or 4000-level Walton College course  
Concentration 2 – Accounting  
ACCT 3013 Accounting View of Economic Events  
ACCT 3613 Managerial Uses of Accounting Info  
Plus an additional six hours selected from the following:  
ACCT 3533 Accounting Technology  
ACCT 3723 Financial Reporting and Analysis  
ACCT 3843 Fundamentals of Taxation  
Concentration 3 – Business Economics  
ECON 4333 Economics of Organizations  
Plus an additional nine hours of 3000- or 4000-level  
business economics courses.  
Concentration 4 – Finance  
WCOB 2043 Acquiring and Managing Financial Resources  
Plus an additional nine hours of 3000-4000 level finance courses  
Concentration 5 – International Business  
Select 12 hours from the following:  
ECON 3843 Economic Development, World Bank, and  
Multilateral Finance  
ECON 3853 Emerging Markets  
ECON 3933 The Japanese Economic System  
ECON 4633 International Trade  
ECON 4643 International Macroeconomics and Finance  
ECON 4653 Global Competition and Strategy  
ECON 468V International Economics and Business Seminar  
FINN 3703 International Finance  
MGMT 4583 International Management  
MKTG 4833 International Marketing  
TLOG 4643 International Transportation and Logistics  
Concentration 6 – Management  
MGMT 4243 Ethics and Corporate Responsibility  
Plus an additional nine hours of 3000- or 4000-level  
management courses (except WCOB 3016)  
Concentration 7 – Marketing  
MKTG 3433 Principles of Marketing  
Plus an additional nine hours selected from the following:  
MKTG 3533 Promotional Strategy  
MKTG 4033 Selling and Sales Mgmt.  
MKTG 4133 Marketing Research  
MKTG 4553 Consumer Behavior  
MKTG 4833 International Marketing  
MKTG 4933 Retail Marketing Strategy  
MKTG 4943 Retail Buying and Merchandise Control  
TLOG 3613 Business Logistics  
Concentration 8 – Transportation and Logistics  
TLOG 3443 Principles of Transportation  
TLOG 3613 Business Logistics  
Plus an additional six hours selected from the following:  
TLOG 3623 Purchasing and Inventory Systems  
TLOG 4633 Transportation Carrier Management  
TLOG 4643 International Transportation and Logistics  
TLOG 4653 Transportation and Logistics Strategy  
In addition to the above course requirements, non-business, degree-seeking  
students working toward a minor should note the following:  
1. Students who elect to obtain a business minor must provide  
written notice of their intent to the dean's office of the college in

which they are receiving a degree. This notice and all requirements for the business minor must be completed prior to the awarding of the student's undergraduate degree.

2. Business minor students must complete all 1000- and 2000-level courses required for the business minor and be a junior- or senior-level student to enroll in 3000- or 4000-level business courses.

3. All specific course prerequisites must be met. Although business minor students are not required to satisfy the entire pre-business core, they must complete the required courses and any other prerequisite course specified prior to enrolling in a 3000/4000-level course.

4. ECON 2143 will substitute for ECON 2013/2023 for prerequisite purposes. In addition, students who take both ECON 2013 (Macroeconomics) and ECON 2023 (Microeconomics) will satisfy the economics requirements of the minor.

Sam M. Walton College of Business  
University of Arkansas, Fayetteville 153

5. Business minor students are ineligible to take WCOB 3016 Business Strategy and Planning.

6. Non-business students may substitute equivalent courses for the Walton College computer competency requirement. All equivalencies must be approved by the associate dean for academic affairs.

### THIS IS THE PROPOSED CATALOG TEXT:

#### Business Administration Minors for Non-Business Students

To facilitate students outside Walton College in obtaining knowledge that will assist them in making sustained contributions to organizations and society in a global, diverse, and dynamic environment, Walton College offers a business minor. The minor requires completion of a minimum of 21 required hours of study (including equivalencies) with at least 50 percent of the courses applied toward the minor taken in residence. Each student must have a 2.00 cumulative grade-point average in the courses offered for the minor.

All students seeking a business minor are required to complete the Walton College computer competency requirement (WCOB 1120) and the following courses:

ECON 2143 Basic Economics Theory and Practice

WCOB 1023 Business Foundations

WCOB 1033 Data Analysis and Interpretation or equivalent

In addition, students must select and complete one of the following concentrations:

#### Concentration 1 – General Business

Select 12 hours from the following courses (at least 6 hours must be at the 3000 or 4000 level).

WCOB 1012 Legal Environment of Business

WCOB 2013 Markets and Consumers

WCOB 2023 Production and Delivery of Goods and Services

WCOB 2033 Acquiring and Managing Human Resources

WCOB 2043 Acquiring and Managing Financial Resources

Plus any other 3000- or 4000-level Walton College course

#### Concentration 2 – Accounting

ACCT 3013 Accounting View of Economic Events

ACCT 3613 Managerial Uses of Accounting Info

Plus an additional six hours selected from the following:

ACCT 3533 Accounting Technology

ACCT 3723 Financial Reporting and Analysis

ACCT 3843 Fundamentals of Taxation

#### Concentration 3 – Business Economics

ECON 4333 Economics of Organizations  
Plus an additional nine hours of 3000- or 4000-level business economics courses.  
Concentration 4 - Enterprise Resource Planning  
WCOB 2013 Markets and Consumers  
WCOB 2043 Acquiring and Managing Financial Resources  
WCOB 4213 ERP Fundamentals  
Plus an additional three hours from the following:  
WCOB 4223 Configuration and Implementation  
ISYS 4233 Seminar in ERP Development  
ISYS 4293 Business Intelligence  
Concentration 5 - Enterprise Systems  
ISYS 4453 Introduction for Enterprise Servers  
ISYS 4463 Enterprise Transaction Systems  
Plus an additional three hours from the following:  
WCOB 4213 ERP Fundamentals  
WCOB 4223 Configuration and Implementation  
ISYS 4233 Seminar in ERP Development  
ISYS 4293 Business Intelligence  
ISYS 4133 Business Development  
Concentration 6 - Finance  
WCOB 2043 Acquiring and Managing Financial Resources  
Plus an additional nine hours of 3000-4000 level finance courses  
Concentration 7 - International Business  
Select 12 hours from the following:  
ECON 3843 Economic Development, World Bank, and Multilateral Finance  
ECON 3853 Emerging Markets  
ECON 3933 The Japanese Economic System  
ECON 4633 International Trade  
ECON 4643 International Macroeconomics and Finance  
ECON 4653 Global Competition and Strategy  
ECON 468V International Economics and Business Seminar  
FINN 3703 International Finance  
MGMT 4583 International Management  
MKTG 4833 International Marketing  
TLOG 4643 International Transportation and Logistics  
Concentration 8 - Management  
MGMT 4243 Ethics and Corporate Responsibility  
Plus an additional nine hours of 3000- or 4000-level management courses (except WCOB 3016)  
Concentration 9 - Marketing  
MKTG 3433 Principles of Marketing  
Plus an additional nine hours selected from the following:  
MKTG 3533 Promotional Strategy  
MKTG 4033 Selling and Sales Mgmt.  
MKTG 4133 Marketing Research  
MKTG 4553 Consumer Behavior  
MKTG 4833 International Marketing  
MKTG 4933 Retail Marketing Strategy  
MKTG 4943 Retail Buying and Merchandise Control  
TLOG 3613 Business Logistics  
Concentration 10 - Transportation and Logistics  
TLOG 3443 Principles of Transportation  
TLOG 3613 Business Logistics  
Plus an additional six hours selected from the following:  
TLOG 3623 Purchasing and Inventory Systems  
TLOG 4633 Transportation Carrier Management  
TLOG 4643 International Transportation and Logistics  
TLOG 4653 Transportation and Logistics Strategy

**In addition to the above course requirements, non-business, degreeseeking students working toward a minor should note the following:**

**1. Students who elect to obtain a business minor must provide written notice of their intent to the dean's office of the college in which they are receiving a degree. This notice and all requirements for the business minor must be completed prior to the awarding of the student's undergraduate degree.**

**2. Business minor students must complete all 1000- and 2000-level courses required for the business minor and be a junior- or senior-level student to enroll in 3000- or 4000-level business courses.**

**3. All specific course prerequisites must be met. Although business minor students are not required to satisfy the entire pre-business core, they must complete the required courses and any other prerequisite course specified prior to enrolling in a 3000/4000-level course.**

**4. ECON 2143 will substitute for ECON 2013/2023 for prerequisite purposes. In addition, students who take both ECON 2013 (Macroeconomics) and ECON 2023 (Microeconomics) will satisfy the economics requirements of the minor.**

**Sam M. Walton College of Business  
University of Arkansas, Fayetteville 153**

**5. Business minor students are ineligible to take WCOB 3016 Business Strategy and Planning.**

**6. Non-business students may substitute equivalent courses for the Walton College computer competency requirement. All equivalencies must be approved by the associate dean for academic affairs.**

## **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 2F

### 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
Undergraduate Program Committee Chair	Date	Board of Trustees Approval Date	
Graduate Council Chair	Date	Arkansas Higher Education Coordinating Board Approval Date	

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

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

Level:  Undergraduate  Graduate  Law Effective Catalog Year 2006

Current Name Master of Business Administration

College, School, Division BADM Department Code \_\_\_\_\_

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

Interdisciplinary Program CIP Code \_\_\_\_\_  
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: The revised full-time MBA program features a three semester, 16 month format which enables students to take advantage of a summer internship opportunity to make them more competitive on the job market after graduation. The program includes four career tracks, category management, supply chain management, financial management and innovation/entrepreneurship that will enable students to focus their studies in areas of particular interest to them. To accommodate these changes we have increased the number of credit hours required for graduation from 38 to 48 to incorporate the internship as well as five hours of professional development courses designed to provide students with cutting-edge content of value to the business community. The new program is scheduled to begin in Spring 2007.

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.)*

**Graduates of the MBA program often accept career positions with Fortune 500 companies in support of their local Wal-Mart teams. By changing the MBA program to respond to the needs of this large pool of employers, our graduates will be more highly recruited, thereby enhancing the reputation of the program. The redesign also leverages three key strengths of the college in marketing, logistics, and information systems. Adding a summer internship allows our students to apply what they have learned in the program and to gain valuable experience. Graduate students in the college of engineering will be able to take MBA core courses that relate to commercialization of new technology. Graduate students in the MACC, MAECON, and MIS programs will be able to take MBA courses because they will now be offered in a full-semester 3 credit-hour format, thereby increasing their choices of electives and increasing enrollment in these courses.**

#### **SECTION VII: Catalog Text and Format**

*Insert the current catalog text and the proposed catalog text. Be sure that the proposed text includes all the elements listed below in order. Do not include university requirements or college requirements. Do not substitute a sample schedule for an explicit statement of requirements. Use standard terms and vocabulary (see Academic Policy 1621.10).*

**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: MASTER OF BUSINESS ADMINISTRATION**

**See Business Administration Department for course listings.**

**Alan Ellstrand**

**MBA Program Director**

**479-575-2851**

**The Master of Business Administration program is accredited by the Association to Advance Collegiate Schools of Business (AACSB International). The M.B.A. degree is directed at students preparing for a professional career. It requires a minimum of 38 graduate credit hours of study for students with an adequate undergraduate background. Students without the necessary academic background may be required to take additional hours prior to enrollment in the M.B.A. program. Two plans of**



study are offered: the full-time program and the managerial (part-time) program. The full-time program can be finished in one calendar year; the managerial program requires a minimum of 24 months of study. The degree is a non-thesis program. See page 30 for M.B.A. academic dismissal policy.

The full-time lock-step program comprises pre-matriculation preparatory work, a foundations module, two core modules, strategic management, a partnering project, and nine hours of approved electives which constitute the concentration area.

The managerial (part-time) program is a lock-step sequence beginning with an introduction to the value chain, eight core business classes, strategic management, a capstone project, and a two-course sequence in strategic retail.

Areas of Concentration: The M.B.A. full-time program has four defined areas of concentration in Entrepreneurship and Strategic Innovation, Finance, Global Business, and Strategic Retail Alliances. The student may also create his or her own customized concentration with the approval of the Director of the M.B.A. program.

Prerequisites to Degree Program: Students entering the M.B.A. program are expected to have already mastered basic business concepts in the areas of information technology, quantitative analysis, accounting, finance, economics, marketing, management, and business law. Mastery of the aforementioned topics must be demonstrated before entering the core modules.

Admission to Degree Program: Students must be admitted to the Graduate School of Business and to the M.B.A. program by the M.B.A. Admissions Committee. Admission to the M.B.A. program is based upon an acceptable Graduate Management Admission Test (GMAT) score, an acceptable grade-point average, recommendations, essays, and related work experience. For specific admission requirements in addition to general admission requirements for the M.B.A. program, write to:

MBA Program Director  
475 Business Building  
1 University of Arkansas  
Fayetteville, AR 72701

Requirements for the Master of Business Administration Degree, Full time Program:

Summer I

MBAD 5013 Foundations I

MBAD 5023 Foundations II

Fall

MBAD 5232 Economics of Management and Strategy

MBAD 5122 Accounting Decisions and Control

MBAD 5132 Information, Technology, and Decision Making

MBAD 5212 Leading High Performance Organizations

MBAD 5222 Managing Ideas, Products, and Services

MBAD 5112 Corporate Financial Management

MBAD 5511 Focus Topic 1

MBAD 5521 Focus Topic 2

Spring

MBAD 5313 Strategic Management

MBAD 5413 Partnering Project I

MBAD 5423 Partnering Project II

+ One concentration course

Summer II

Two concentration courses

Managerial (part-time) Program:

Pre-Fall

MBAD 560V Introduction to the Value Chain

Fall

MBAD 561V Financial Accounting

MBAD 513V Information Technology and Decision Making

Spring

MBAD 523V Economics of Management and Strategy

MBAD 511V Corporate Financial Management

**Summer**

**MBAD 521V Leading High Performance Organizations**

**MBAD 512V Accounting Decisions and Control**

**Fall**

**MBAD 522V Managing Ideas, Products, and Services**

**TLOG 5663 Supply Chain Management**

**Spring**

**MBAD 5313 Strategic Management**

**MKTG 5333 Retailing Strategy and Processes**

**Summer**

**MBAD 5433 Capstone Project**

**MBAD 5533 Strategic Category Management**

**Full-time MBA Defined Concentrations**

**Entrepreneurship and Strategic Innovation Requirements:**

**MGMT 5323 New Venture Dev. & Small Business Mgmt.**

**Choose 6-9 hours from the following:**

**MGMT 5363 Strategic Innovation**

**MGMT 5993 Entrepreneurship Practicum**

**MGMT 5383 Intra/Entrepreneurship of Technology**

**TLOG 5633 Business Logistics Systems**

**MKTG 5433 Consumer and Market Research**

**FINN 5633 Financial Institutions**

**Strategic Retail Alliances Requirements:**

**MKTG5333 Retailing Strategy and Processes**

**Choose 6-9 hours from the following:**

**MKTT 5433 Consumer and Market Research**

**MKTG 5533 Strategic Category Management**

**TLOG 5633 Business Logistics Systems**

**FINN 5703 Multinational Business Finance**

**Global Business Requirements:**

**ECON 5853 International Economics Policy**

**Choose 6 hours from the following:**

**• Study abroad (6 hours + 6 hours for language proficiency, if needed)**

**• International internship**

**Finance Requirements:**

**FINN 5333 Investment Theory and Management**

**Choose 6-9 hours from the following:**

**FINN 5633 Financial Institutions**

**FINN 5703 Multinational Business Finance**

**ECON 5853 International Economics Policy**

**Customized Concentration Requirements:**

**Choose 9 hours (12 hours for managerial program) from:**

**• Any WCBA course, 5000 level or above**

**• Any approved course, 5000 level or above outside WCBA**

**M.B.A./J.D. Program**

**For students interested in obtaining both the M.B.A. and J.D. (law) degrees, the M.B.A./J.D. dual degree program is available.**

**This program allows the student to receive both the M.B.A. degree and the J.D. degree. The program requires separate application and admission to both the School of Law and the Graduate School of Business and the M.B.A. degree program.**

**Students participating in the M.B.A./J.D. program must file a degree plan for both degrees and obtain approval prior to**

taking elective courses to be used for reciprocal credit. Interested students should obtain bulletins and applications from both the School of Law and the Graduate School of Business.

Proposed Copy:

MASTER OF BUSINESS ADMINISTRATION

See Business Administration Department for course listings.

Alan Ellstrand

MBA Program Director

479-575-2851

The Master of Business Administration program is accredited by the Association to Advance Collegiate Schools of Business (AACSB International). The M.B.A. degree is directed at students preparing for a professional career. It requires 38-48 graduate credit hours of study for students with an adequate undergraduate background. Students without the necessary academic background may be required to take additional hours prior to enrollment in the M.B.A. program. Two plans of study are offered: the full-time program and the managerial (part-time) program. The full-time program can be finished in 16 months; the managerial program requires a minimum of 24 months of study. The degree is a non-thesis program. See page 30 for M.B.A. academic dismissal policy.

The full-time MBA program comprises 28 hours of core courses, a 9 hour concentration track, 5 hours of professional development, a 3 hour consulting project, and a 3 hour internship or study abroad for a total of 48 credit hours. The part-time managerial MBA program is a lock-step sequence beginning with an introduction to the value chain, eight core business courses, a capstone project, and a two-course sequence in strategic retail management.

Areas of Concentration: The M.B.A. full-time program has four defined areas of concentration: Category Management, Supply Chain Management, Financial Management, and Entrepreneurship and Innovation. The Managerial MBA program offers a single concentration in value chain optimization in the consumer products and retail sectors.

Prerequisites to Degree Program: Students entering the M.B.A. program are expected to have already mastered basic business concepts in the areas of information technology, quantitative analysis, accounting, finance, economics, marketing, management, and business law. Mastery of the aforementioned topics must be demonstrated before entering the core modules.

Admission to Degree Program: Students must be admitted to the Graduate School of Business and to the M.B.A. program by the M.B.A. Admissions Committee. Admission to the M.B.A. program is based upon an acceptable Graduate Management Admission Test (GMAT) score, an acceptable grade-point average, recommendations, essays, and related work experience. For specific admission requirements in addition to general admission requirements for the M.B.A. program, write to:

MBA Program Director

475 Business Building

1 University of Arkansas

Fayetteville, AR 72701

Requirements for the Master of Business Administration Degree, Full time Program:

Spring I (16 hours)

MKTT 5103 Retail Consumer Marketing

TLOG 5633 Retail & Consumer Products Supply Chain Management

FINN 5223 Financial Markets & Valuation

ISYS 5363 Business Analytics

ECON 5243 Economics of Supply Chain & Retail

MBAD 5511 Special Topics in Business

Summer (3 hours)

MBAD 5353 MBA Internship

Or MBAD 5363 Special Problems in Business: Study Abroad

Fall (15 hours)

MGMT 5223 Managing and Leading Organizations

ACCT 5223 Accounting for Supply Chain & Retail Operations

MBAD 55241 Ethical Decision Making

MBAD 5511 Special Topics in Business

MBAD 5511 Special Topics in Business

Career Track Course

## Career Track Course

### Spring II (14 hours)

MGMT 5313 Strategic Management  
ISYS 5433 Enterprise Systems  
MBAD 5413 Partnering Project  
MBAD 5511 Special Topics in Business  
Career Track Course

### Full-time MBA Defined Career Tracks

#### Category Management

MKTG 5553 Shopper, Buyer, and Consumer Behavior

MKTG 5433 Consumer and Marketing Research

MKTG 5543 Category Analysis & Management

#### Supply Chain Management

TLOG 5653 Global Logistics and Supply Chain Management

TLOG 5643 Transportation Strategies in the Supply Chain

TLOG 5673 Modeling Retail and Consumer Products Logistics

#### Financial Management

FINN 5--- Retail Financial Management

FINN 5333 Investment Theory and Management

FINN 5--- Shollmier Portfolio Class

#### Entrepreneurship & Innovation

MGMT 5323 New Venture Creation

MGMT 5363 Innovation & Creativity

MKTT 5433 Consumer and Market Research OR

WCOB 510V Special Topics in Business: Entrepreneurial Finance

### Managerial (part-time) Program:

#### Pre-Fall

MBAD 560V Introduction to the Value Chain

#### Fall I

MBAD 561V Financial Accounting

MBAD 513V Information Technology and Decision Making

#### Spring I

MBAD 5232 Economics of Management and Strategy

MBAD 511V Corporate Financial Management

#### Summer I

MBAD 521V Leading High Performance Organizations

MBAD 512V Accounting Decisions and Control

#### Fall II

MBAD 5222 Managing Ideas Products and Services

TLOG 5663 Supply Chain Management

#### Spring II

MBAD 5313 Strategic Management

MKTG 5333 Retailing Strategy and Processes

#### Summer II

MBAD 5433 Capstone Project

MBAD 5533 Strategic Category Management

### M.B.A./J.D. Program

For students interested in obtaining both the M.B.A. and J.D. (law) degrees, the M.B.A./J.D. dual degree program is available. This program allows the student to receive both the M.B.A. degree and the J.D. degree. The program requires separate application and admission to both the School of Law and the Graduate School of Business and the M.B.A. degree program. Students participating in the M.B.A./J.D. program must file a degree plan for both degrees and obtain approval prior to taking elective courses to be used for reciprocal credit. Interested students should obtain bulletins and applications from both the School of Law and the Graduate School of Business.

**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**  
**16-Dec-05**

**TABLE ONE**

**Dale Bumpers College of Agricultural, Food, and Life Sciences**

Department of Crop, Soil and Environmental Sciences

WLHA-M - Wildlife Habitat Minor - Attachment 1A

Several courses in Biology have been removed either because they have been eliminated by the Biology Department or they are graduate level courses cannot be taken by undergraduate students as specified in the attachment.

**TABLE TWO**

**Walton College of Business**

Business Minor for Business Students - Attachment 2A

Include the 2.0 GPA requirement for business minors for business students seeking business minors as specified in the attachment.

BSBA - Business College Foreign Language Concentration Requirement - Attachment 2B

Modify foreign language concentration requirement to reflect the curriculum requirement of 15 hours for junior/senior business electives as specified in the attachment.

WISY-M - Information Systems Minor - Attachment 2C

Add two classes under the heading "Information Systems Minor for Business Students" as specified in the attachment.

WERP-M - Enterprise Resource Planning Minor - Attachment 2D

Change interdisciplinary Enterprise Resource Planning Minor for business students as specified in the attachment.

Business Administration Minors for Non-Business Students - Attachment 2E

Add two concentrations to the business minor listing for non-business students as specified in the attachment.

MBA - Master of Business Administration - Attachment 2F

Change in format and course requirements as specified in the attachment.

**UCPC December 2005**

**12/16/2005**

**TABLE THREE**

**College of Education and Health Professions**

Department of Rehabilitation, Human Resources, and Communication Disorders

VOEDBS - Human Resource Development Concentration - Attachment 3A  
Rename course prefixes from VAED and ITED to HRDV and reorganize  
ITED 456V into separate discrete non-repeatable fixed-hour courses as  
specified in the attachment.

VOEDBS- Industrial and Technology Education Concentration - Attachments 3B-3E  
Change the Industrial and Technical Education component of VOED program to Technology  
Education as specified in the attachments.

PBTEBS - Performance-Based Teacher Education Concentration - Attachments 3F-3H  
Change name from Performance-Based Teacher Education (PBTE) to Competency-Based  
Teacher Development (CBTD) and course requirements as specified in the attachments.

**TABLE FOUR**

**College of Engineering**

Department of Biological and Agricultural Engineering

BENGBS - Changes is degree requirements, elimination of one concentration and  
other changes as specified in the attachment.

# ATTACHMENT 3A

## 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
Undergraduate Program Committee Chair	Date	Board of Trustees Approval Date	
Graduate Council Chair	Date	Arkansas Higher Education Coordinating Board Approval Date	

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

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

Level:  Undergraduate  Graduate  Law Effective Catalog Year **2006**

Current Name **Human Resource Development Concentration**

College, School, Division **EDUC** Department Code **RHRC**

Current Code (6 digit Alpha) **VOEDBS** Proposed Code (6 digit Alpha) \_\_\_\_\_  
Prior approval from the Office of the Registrar is required.

Interdisciplinary Program CIP Code **13.1320**  
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: 1) Rename required course prefixes from VAED and ITED to HRDV and 2) reorganize the single large repeatable ITED 459V variable-hour requirement into separate small discrete nonrepeatable fixed-hour requirements.**

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 proposal renames and renumbers one existing large variable-hour requirement (ITED 459V) into separate new small discrete fixed-hour requirements. Course requirements in the HRD concentration (HRDV) currently have two different prefixes; the existing ITED prefix in this proposal is being deleted. Adopting this proposal will clarify prerequisites for registration, automate verification of prerequisite courses, and move all required courses into one section of the catalog. This proposal makes no changes in the overall net number of hours required for the degree.**

## **SECTION VII: Catalog Text and Format**

*Insert the current catalog text and the proposed catalog text. Be sure that the proposed text includes all the elements listed below in order. Do not include university requirements or college requirements. Do not substitute a sample schedule for an explicit statement of requirements. Use standard terms and vocabulary (see Academic Policy 1621.10).*

**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:**

#### **Technical Requirements**

**Required Course: VAED 3403 Employment Law in Human Resource Development.**

**The remaining 30 hours of HRD technical requirements may be satisfied in a variety of ways. 1) Appropriate occupation-related credits from UA coursework, transfers from accredited institutions of higher learning (within limits), or from College Level Examination Program (CLEP) exams may be applied. 2) Credit for work experience and experiential learning may be applied to HRD technical requirements. VOED 200V-204V Work Experience credit is earned through selected National Occupational Competency Testing Institute (NOCTI) assessments. After completing VAED 3503 Workforce Behavior course, credit may be earned through VAED 450V Experiential Learning for documented experiential or occupational learning based on a standardized format as suggested by the Council for the Advancement of Experiential Learning (CAEL). Credit for certain occupational training or professional certifications may also be earned using the American Council on Education (ACE) guidelines. 3) After the initial 12-hour HRDV Internship requirement has been met, up to 12 additional credits of ITED 459V may also be applied to HRDV Technical requirements.**

**Human Resource Development Professional Courses (taught in a two-year rotation of weekend and web-based classes.) VAED 3113, VAED 3123, VAED 3133, VAED 3213, VAED 4113, VAED 4133, VAED 4213, VAED 4233**

**Human Resource Development Internship ITED 459V, HRDV Internship (HRD theory and concepts applied in a practical workplace setting)**

Proposed Catalog Text:

Human Resource Development Concentration (HRDV)

Advisers:

Dale E. Thompson

111 Graduate Education Building

479-575-6640

Phil Gerke

214 Graduate Education Building

479-575-4690

HRD curriculum provides learning experiences designed for adult learners to acquire the “people” skills and effective strategies leaders in the workplace use to facilitate change and improve performance to benefit individuals, teams, and organizations. This knowledge base is ideal for many career and leadership positions. The plan of study is designed to accelerate degree-completion for working adults by offering credit for experience. Courses are offered by distance learning at certain host campuses around Arkansas on a two-year rotation plan in cooperation with the UA Division of Continuing Education. Undergraduates also obtain a solid academic base to pursue a graduate degree. This is not a teacher preparation concentration.

The HRDV concentration is open only to adult learners who have earned at least 40 hours of General Education requirements, who are employed fulltime, and have at least five years of work experience. Departmental approval is mandated before taking any of the required Professional courses in this concentration. Details can be found on the Web at <<http://www.uark.edu/hrd>>.

HRDV General Education Requirements: 55 hours

University Core Requirements (page -- of 2006 Catalog): (38 hours)

Note 1: 3 hours Core Social Sciences must be PSYC 2003 General Psychology

Note 2: Every undergraduate student must meet the advanced composition requirement (See page --)

Oral Communication (3 hours): Fundamentals, public speaking, or similar course

Health/Wellness/Fitness/Safety (3 hours)

Computers/Media (3 hours): application software courses, or exempted with no credit for documented proficiency

Electives (8 hours or as needed to total 55 total hours of general education credit

Human Resource Development Technical Requirements: 33 hours

Required Course: HRDV 3403 Employment Law in Human Resource Development. The remaining 30 hours of HRD technical requirements may be satisfied in a variety of ways. 1) Appropriate occupation-related credits from UA coursework, transfers from accredited institutions of higher learning (within limits), or from College Level Examination Program (CLEP) exams may be applied. 2) Credit for job knowledge and experiential learning may be applied to HRD technical requirements. VOED 200V-204V Work Experience credit is earned through selected National Occupational Competency Testing Institute (NOCTI) assessments. 3) After the initial 12-hour HRDV Practicum requirement has been met, up to 12 additional credits of HRDV 4603-4693 coursework may also be applied to HRDV Technical requirements. 4) After completing the prerequisite HRDV 3503 Workforce Behavior course, credit may be earned through HRDV 450V Experiential Learning for documented experiential or occupational learning based on a standardized format as suggested by the Council for the Advancement of Experiential Learning (CAEL). HRDV 450V credit for certain occupational training or professional certifications may also be earned using the American Council on Education (ACE) guidelines.

Human Resource Development Professional Requirements: 24 hours

(Offered in a two-year rotation of weekend and web-based classes delivered to selected off-campus locations by distance learning). Departmental approval required to take these courses: HRDV 3113, HRDV 3123, HRDV 3133, HRDV 3213, HRDV 4113, HRDV 4133, HRDV 4213, HRDV 4233

Human Resource Development Practicum Requirements: 12 hours

Specific HRD theories and concepts applied in an actual business/industrial setting. 12 credit hours required from among the following: HRDV 4603, HRDV 4613, HRDV 4623, HRDV 4633, HRDV 4643, HRDV 4653, HRDV 4663, HRDV 4673, HRDV 4683, or HRDV 4693.

Total: 124 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 \_\_\_\_\_

## ATTACHMENT 3B

### 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
Undergraduate Program Committee Chair	Date	Board of Trustees Approval Date	
Graduate Council Chair	Date	Arkansas Higher Education Coordinating Board Approval 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 2006-2007

Current Name Performance-Based Teacher Education Concentration

College, School, Division EDUC

Department Code RHRC

Current Code (6 digit Alpha) PBTEBS

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

Interdisciplinary Program

CIP Code 13.1309  
Prior assignment from Office of Institutional Research is required.

Proposed Name Competency-Based Teacher Development (CBTD Concentration)

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:

**\* The name is changed from Performance-Based Teacher Education (PBTE) to Competency-Based Teacher Development (CBTD) using the newly developed web-based CBTD program of categories and units of instruction created by the RHRC Department for the Arkansas Department of Workforce Education.**

**\* The Technical Requirements are increased from 28 -30 credits to 38 credits.**

**\* COMM 1313 is dropped from the general education core requirements.**

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 program changes are in agreement with the changes made by other programs in the department and will allow greater flexibility for present students in the program and greater potential for expansion of the program through the web-based CBTD model.**

#### **SECTION VII: Catalog Text and Format**

*Insert the current catalog text and the proposed catalog text. Be sure that the proposed text includes all the elements listed below in order. Do not include university requirements or college requirements. Do not substitute a sample schedule for an explicit statement of requirements. Use standard terms and vocabulary (see Academic Policy 1621.10).*

**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:**

#### **Industrial and Technical Education (ITED)**

**Jack B. DeVore, Jr.**  
**Adviser**  
**102 Graduate Education Building**  
**479-575-7285**

**Fred A. Wills**  
**Adviser**  
**109 Graduate Education Building**  
**479-575-5114**

#### **Performance-Based Teacher Education (PBTE)** **Concentration**

1622.20A p/vcaa 10/1/00  
ATTACHMENT 3B - CBTD CONC.doc

C:\program files\qualcomm\eurora\attach\UCPC December 2005 Meeting

This concentration should be selected by incumbent (in-service) trade and technical instructors who desire to obtain a Bachelor of Science in Education degree or become certified as a master instructor in the post-secondary vocational and secondary school systems. PBTE concentration utilizes the Performance-Based Teacher Education modules and is field-based.

#### Residency Requirement for PBTE Concentration

The residency requirement for the PBTE concentration specifies that at least six semester hours of course work must be completed on campus, with an additional six semester hours taken at a location in the state taught by University of Arkansas faculty.

SEE PAGE 331 FOR VOCATIONAL AND ADULT EDUCATION (VAED) COURSES

NEW: Proposed Catalog text:

#### Industrial and Technical Education (ITED)

Jack B. DeVore, Jr.  
Adviser  
102 Graduate Education Building  
479-575-7285

Fred A. Wills  
Adviser  
109 Graduate Education Building  
479-575-5114

#### Competency-Based Teacher Development (CBTD) Concentration

This concentration should be selected by incumbent (in-service) trade and technical instructors who desire to obtain a Bachelor of Science in Education degree or become certified as a master instructor in the post-secondary vocational and secondary school systems. CBTD concentration utilizes the CBTD units and is field-based.

#### English Composition (6 credits)

ENGL 1013 Composition I and ENGL 1023, Composition II

Advanced Composition (3 credits or exempt)

ENGL 2003 –or- exempted by examination/grades

#### Math (3 credits)

MATH 1203 College Algebra (or higher)

Sciences + Lab (8 credits)

Fine Arts and Humanities (6 credits) one each

US History/Government (3 credits)

Social Sciences (9 credits) 3 credits must be PSYC

Psychology – PSYC 2003 General Psychology

HLSC 1002 Wellness Concepts + PEAC 1621 Fitness or HLSC 1103 Personal Health and Safety

68 credits of lower division course work can be transferred to UAF.

45 credits of total program must be upper division coursework.

#### Technical Requirements (38 credits)

30 hours in a single trade or related area which can be obtained by passing the NOCTI exam, completing a combination of courses from

ITED and the College of Engineering, or transfer courses from other institutions. VOED 2006, 2016, 2026, 2036, and 2046 are courses in which credit will be earned by passing the NOCTI exam. Required 3 credit computer course (advisor approved) or computer competency test.

CBTD Concentration (45 credits)

PSYC 4033 Educational Psychology

VOED 390v (12 credits)

VOED 391v (12 credits)

VOED 392v (12 credits)

VOED 393v (6 credits)

42 credits may be obtained for completion of 100 CBTD units.

Electives/or not (3 credits)

3 credits if exempt from Advanced Composition

TOTAL REQUIREMENTS FOR GRADUATION: 124 CREDITS

**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

(4) Institutional Research

(5) Continuing Education  
Initials \_\_\_\_\_

(6) Graduate School  
Date \_\_\_\_\_

# ATTACHMENT 3C

## LETTER OF NOTIFICATION – 1

### NAME CHANGE OF EXISTING CERTIFICATE, DEGREE, MAJOR, OPTION OR ORGANIZATIONAL UNIT

(No change in curriculum, emphasis, or organizational structure)

1. Institution submitting request: University of Arkansas
2. Contact person/title: Barbara E. Hinton, Department Head, Rehabilitation, Human Resources and Communication Disorders, College of Education and Health Professions, University of Arkansas, Fayetteville
3. Phone number/e-mail address: 479-575-4758; bhinton@uark.edu
4. Proposed effective date: Fall 2006
5. Current title of degree/certificate program: Bachelor of Science in Vocational Education
6. Current title of major or option: Performance-Based Teacher Education Concentration,
7. Current title of organizational unit: Rehabilitation, Human Resources and Communication Disorders
8. Proposed name of certificate/degree: No Change (Bachelor of Science in Vocational Education)
9. Proposed name of major or option: Competency-Based Teacher Development (CBTD)
10. Proposed name of organizational unit: No Change, (Rehabilitation, Human Resources and Communication Disorders)
11. CIP Code: 13.1309
12. Degree Code: CBTDBS
13. Reason for proposed action: Current catalog description:  
Performance-Based Teacher Education (PBTE) Concentration

This concentration should be selected by incumbent (in-service) trade and technical instructors who desire to obtain a Bachelor of Science in Education degree or become certified as a master instructor in the post-secondary vocational and secondary school systems. PBTE concentration utilizes the Performance-Based Teacher Education modules and is field-based.

The name is being changed from Performance-Based Teacher Education (PBTE) to Competency-Based Teacher Development (CBTD) because the current instructional modules are copyrighted and are out of date; the PBTE modules will no longer be used for instruction. The Competency-Based Teacher Development (CBTD) units have been developed to cover course objectives of the existing concentration. However, the teaching materials have been updated and do not contain the copyrighted PBTE instructional materials. The changes in the teaching materials are equivalent to changing textbooks; however, it is necessary to change the name of the concentration since PBTE is a copyrighted name.

Board of Trustees Approval Date:

Chief Academic Officer:

Date:



**ATTACHMENT 3D**  
**Revised (11/02/2005)**

**University of Arkansas Bachelor of Science in Education Degree – Vocational Teacher Education Plan of Study**

**CBTD**

<b>Core General Education Requirements (38 – 41 credits)</b>	<b>Technical Requirements (38 credits)</b>
<b>English Composition (6 credits)</b>	28 hours in a single trade or related area which can be obtained by passing the NOCTI exam, completing a combination of courses from ITED and the College of Engineering, or transfer courses from other institutions. VOED 2006, 2016, 2026, 2036, and 2046 are courses in which credit will be earned by passing the NOCTI exam.  Required 3 credit computer course (advisor approved) or computer competency test.
<input type="checkbox"/> ENGL 1013 Composition I	
<input type="checkbox"/> ENGL 1023, Composition II	
<input type="checkbox"/> <b>Advanced Composition (3 credits or exempt)</b> ENGL 2003 -or- exempted by examination/grades	
<input type="checkbox"/> <b>Math (3 credits)</b> MATH 1203 College Algebra (or higher)	
<b>Sciences + Lab (8 credits): (To meet State minimum core)</b>	
<input type="checkbox"/>	
<input type="checkbox"/>	
<b>Fine Arts and Humanities (6 credits): (Refer to University Core)</b>	
<input type="checkbox"/>	<b>CBTD Concentration (45 credits)</b>
<input type="checkbox"/>	<input type="checkbox"/> PSYC 4033 Educational Psychology
<input type="checkbox"/> <b>US History/Government (3 credits)</b>	<input type="checkbox"/> VOED 390v (12 credits)
<b>Social Sciences (9 credits)</b>	<input type="checkbox"/> VOED 391v (12 credits)
<input type="checkbox"/> PSYC 2003 General Psychology	<input type="checkbox"/> VOED 392v (12 credits)
<input type="checkbox"/>	<input type="checkbox"/> VOED 393v (6 credits)
<input type="checkbox"/>	
<b>Health and Wellness (3 credits)</b>	42 credits may be obtained for completion of 100 CBTD units.
<input type="checkbox"/> HLSC 1002 Wellness Concepts and <input type="checkbox"/> PEAC 1621 Fitness <i>or</i> <input type="checkbox"/> HLSC 1103 Personal Health and Safety	
68 credits of lower division course work can be transferred to UAF. 45 credits of total program must be upper division coursework.	<b>Electives/or not (3 credits)</b>
	<input type="checkbox"/> 3 credits if exempt from Advanced Composition
	<b>TOTAL REQUIREMENTS FOR GRADUATION: 124 CREDITS</b>

ATTACHMENT 3E

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
Undergraduate Program Committee Chair Date Board of Trustees Approval Date
Graduate Council Chair Date Arkansas Higher Education Coordinating Board Approval Date

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

Academic Unit: [X] Major/Field of Study [ ] Minor [ ] Other Unit
Level: [X] Undergraduate [ ] Graduate [ ] Law Effective Catalog Year 2006-2007
Current Name Industrial and Technology Education (ITED)
College, School, Division EDUC Department Code RHRC
Current Code (6 digit Alpha) VOEDBS Proposed Code (6 digit Alpha)
[ ] Interdisciplinary Program CIP Code 13.1309
Proposed Name Technology Education (TEED)
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: Change the Industrial and Technical Education component of the VOED program to Technology Education. The following adaptations will be made to accomplish this change: 1) The current MAT teacher licensure component will transition into an undergraduate BSE component; 2) 13 ITED courses will be removed from the program. These include: ITED 1403, 1411L, 2211L, 2311L, 2421L, 2611L, 3221L, 3321L, 3431L, 3621L, 3623, 3631L, & 4643; 3) 18 courses will transition from ITED to TEED course prefixes, these include: ITED 1201L, 1301L, 1203, 1303, 1413, 1503, 1603, 2213, 2313, 2423, 2613, 3223, 3323, 3433, 3513, 3633, 4523, & 459V; 4) The required laboratory corequisite will be dropped from the following courses: TEED 1203, 1303, 2213, 2313, 2423, 2613, 3223, 3323, 3433, & 3633; 5) Six new TEED courses will be added. These include: TEED 1103, 2103, 3103, 3203, 3303, & 4103; 6) Two General Engineering (GNEG) courses will be added. These include: GNEG 1103, & 1122; 7) One Industrial Engineering course will be added (INEG 2513);

**8) One Biological Engineering course will be added (BENG 1022); 9) One Mechanical Engineering (MEEG 1103) will be added, 10) One Computer Science and Computer Engineering course will be added (CSCE 1012); 11) College algebra (MATH 1203) and Survey of Calculus (MATH 2043) will be required; 12) University Chemistry CHEM 1103) and College Physics (PHYS 2013) will be requirements; 13) The program will include 14 credit hours of technical electives; 14) Programmatic changes implemented in the recent VOED program changes initiative will be addressed in the TEED program as well. These include: a) Four courses previously offered during the VOED MAT will be integrated into the undergraduate program and will be given undergraduate course numbers, b) VAED 1001 Practicum will be added for early field experiences, c) the name of VOED 4013 will be changed to "Teaching Strategies;" and, d) an additional concentration on diversity issues will be addressed in VOED 4003, 4013, and 4023.**

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 University of Arkansas-Fayetteville was founded as an "industrial" university. In fact, one of the first programs of study developed at the university was an Industrial Arts teacher education program. Unquestionably, the University has a rich history of developing teachers for the field once known as "industrial arts." However, the current ITED program has not remained abreast of changes in the field (now known as "Technology Education") and is currently out-of-alignment with NCATE SPA requirements, and national trends in the field of technology education. Due to the fact that this program has been in academic suspension for the past several years and has not accepted new majors since 2003 (pending programmatic changes), changing the concentration to TEED is not likely to negatively impact any other degree program. By changing the foci of the program to one more closely aligned with national standards and the latest trends in the discipline, the University will be able to recruit and attract top students. This program change will also reflect national trends toward integrating additional levels of engineering content into technology education programs. This trend is supported within both the technology education and the engineering communities. Additionally, this program change will reflect the transition of the entire VOED degree program in that it will move from a graduate-level licensure program to an undergraduate licensure program. Currently, the MAT teacher licensure program in VOED only attracts about 50% of those students completing undergraduate preparation programs in VOED. By transitioning back to an undergraduate licensure program in VOED and refocusing the Technology Education concentration, it is expected that the degree route will be much more popular with potential clients and a much more appropriate educational experience for completors.**

#### **SECTION VII: Catalog Text and Format**

*Insert the current catalog text and the proposed catalog text. Be sure that the proposed text includes all the elements listed below in order. Do not include university requirements or college requirements. Do not substitute a sample schedule for an explicit statement of requirements. Use standard terms and vocabulary (see Academic Policy 1621.10).*

**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

### Industrial Technology Education (ITED)

In 2003, the Plan I, Industrial Technology concentration and the Plan II Technical Performance Improvement concentration of the VOED program were suspended from the University catalog pending programmatic changes. At that time, the Department Chair, The Dean, and the Provost agreed to accept no additional students, and to discontinue listing the degree option in the University catalog until such time that a significantly revised program could be developed to replace the existing ITED program.

This proposal represents the completion of the ITED concentration revision.

The ITED program should be replaced with the catalog copy listed below. Technology Education (TEED) should be listed as one concentration area under the heading "Vocational Education." The other concentrations include: Business Education, Family and Consumer Science, Human Resource Development, and Performance-Based Teacher Education.

## NEW CATALOG COPY

### Technology Education (TEED)

Michael K. Daugherty, Advisor  
107 Graduate Education Building  
479-575-5119

A Bachelor of Science in Education degree with a concentration in Technology Education is a licensure program that prepares one to teach technology, pre-engineering, or other technical subject matter at the high school, middle-level, or community college. Additionally, the program prepares one to enter mid-level technical/management careers in business and industry. The concentration is a specialized field of study within the vocational education program at the University of Arkansas.

### I. University Core Requirements (State minimum core and graduation requirements)

Science concentration of core must include:

CHEM 1103/1101L University Chemistry (4 hours)

PHYS 2013/2011L College Physics (4 hours)

TOTAL 35-38 hours

### II. Technical Requirements

TEED 1103 The Nature of Technology (3 hours)

TEED 2103 Technology and Society (3 hours)

GNEG 1103 Introduction to Engineering (3 hours)

TEED 3103 Technological Research, Experimentation, & Trouble-shooting (3 hours)

TEED 4103 Engineering Design Capstone (3 hours)

GNEG 1122 Introduction to CAD (2 hours)

MATH 2043 Survey of Calculus (3 hours)

TEED 3303 Energy, Power, and Transportation (3 hours)

TEED 3203 Information and Communication Systems (3 hours)

INEG 2513 Manufacturing Systems Design/INEG 2510 Lab (3 hours)

CSCS 1012 College Computing Skills (2 hours)

COMM 3803 Basic Video Production (3 hours)

MEEG 1103 Introduction to Mechanical Engineering (3 hours)

BENG 1022 Biological Engineering Design Studio I (2 hours)

Technical Electives ( 14 hours)

TOTAL 53 hours

**III. Professional Education**

- VOED 1001 Practicum in VOED (1 hour)**
- CIED 3023 Survey of Exceptionalities (3 hours)**
- CIED Classroom Learning Theory (3 hours)**
- VOED 4003 Professionalism (3 hours)**
- VOED 4013 Teaching Strategies (3 hours)**
- VOED 4023 Classroom Management (3 hours)**
- VOED 4033 Assessment/Program Evaluation (3 hours)**
- VOED 4041 Lab Management in VOED (1 hour)**
- ETEC 2001 Educational Technology (1 hour)**
- ETEC 2002L Educational Technology Lab (2 hours)**
- VOED 4051 Seminar (1 hour)**
- VOED 406V Teaching Internship (12 hours)**
- TOTAL 36 hours**

**Total 124 hours required by the University of Arkansas for a degree.**

**IV. Admission Requirements (for Spring Semester Senior Year)**

**Internship Semester (Spring Semester/Senior Year) Admission Criteria:**

- 1. Candidate must hold a cumulative GPA of 2.50 or higher**
- 2. Candidate must have taken and passed the Praxis I examination during the previous semester or earlier**
- 3. Candidate must have taken and passed the Praxis II content examination during the previous semester or earlier**
- 4. Candidate must complete a successful "internship admission interview" with teacher education faculty in the department of Rehabilitation, Human Resources, and Communication Disorders. Note these interviews are scheduled with all senior students during the fall semester.**

**Note: All students seeking licensure in the State of Arkansas are subject to a criminal background check. Forms needed to complete this procedure may be obtained in Room 117 of Peabody Hall on the University of Arkansas campus. These forms may also be obtained from any police station (including the University of Arkansas Police station) or directly from the Arkansas State Department. These background checks take up to six months to process; therefore, students are advised to complete and submit the forms to the proper authorities at least six months in advance of graduation (or six months prior to applying for a teaching license). Arkansas will not grant a teaching license to anyone who has been convicted of a felony.**

**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 3F

### LETTER OF NOTIFICATION – 11

#### RECONFIGURATION OF EXISTING DEGREE PROGRAMS

1. **Institution submitting request:** University of Arkansas
2. **Contact person/title:** Barbara E. Hinton  
Department Chair  
Department of Rehabilitation, Human  
Resources and Communication  
Disorders
3. **Title of degree program to be reconfigured:** Bachelor of Science in Education  
(Technology Education)
4. **Current CIP Code:** 13.1309
5. **Current Degree Code:** 3890
6. **Proposed title of consolidated program:** Bachelor of Science in Education
7. **Proposed CIP Code:** 13.1309
8. **Proposed Effective Date:** Fall 2006
9. **Reason for proposed consolidation (reconfiguration):** The existing degree program in vocational education (technology education) has been academically suspended since 2003 pending the programmatic and degree changes outlined in this letter of notification. Additionally, the existing undergraduate degree program did not lead to licensure. Currently, students completing the degree program must enroll in the Master of Arts in Teaching (M.A.T.) degree program to be eligible for licensure. The M.A.T. is the initial teacher licensure program at the U of A. Due to the number of hours required in the M.A.T., financial constraints, and low student demand for the M.A.T. vocational education program, the vocational teacher education faculty voted to reconfigure the undergraduate degree program to offer a program that will lead to teacher licensure. Students in the reconfigured program will be eligible for teacher licensure at the completion of the four-year degree. Several teacher education programs at the U of A have teacher education programs that do not require completion of the M.A.T. (e.g., art, music, agriculture). With the significant curricular changes implemented during the revitalization of technology education, it was deemed the perfect opportunity to transition into an undergraduate licensure program.

Professional education curriculum offered in the VOED M.A.T. program will be incorporated in the four-year degree program and one new faculty member has been hired to deliver technical content for the TEED concentration. No additional faculty are needed for the program at this time.

**10. Provide current and proposed curriculum.**

**Current Curriculum**

University of Arkansas Bachelor of Science in Education Degree – Vocational Teacher Education  
Plan of Study  
TECHNOLOGY EDUCATION

In 2003, the “Plan I, Industrial Technology Concentration” and the “Plan II Technical Performance Improvement Concentration” of the VOED program were suspended from the University catalog pending programmatic changes. At that time, the Department Chair, The Dean, and the Provost agreed to accept no additional students and to discontinue listing the degree option in the University catalog until such time that a significantly revised program could be developed to replace the existing ITED program. The concentration was not deleted; it was suspended pending changes. Therefore, a current curriculum does not exist for the concentration.

This proposal represents the completion of the ITED concentration revision.

This proposal calls for the ITED concentration to be replaced with the catalog copy listed below and renamed “Technology Education”. Technology Education (TEED) will be listed as one concentration area under the heading "Vocational Education." The other concentrations include: Business Education, Family and Consumer Science, Human Resource Development, and Performance-Based Teacher Education.

## Proposed Curriculum

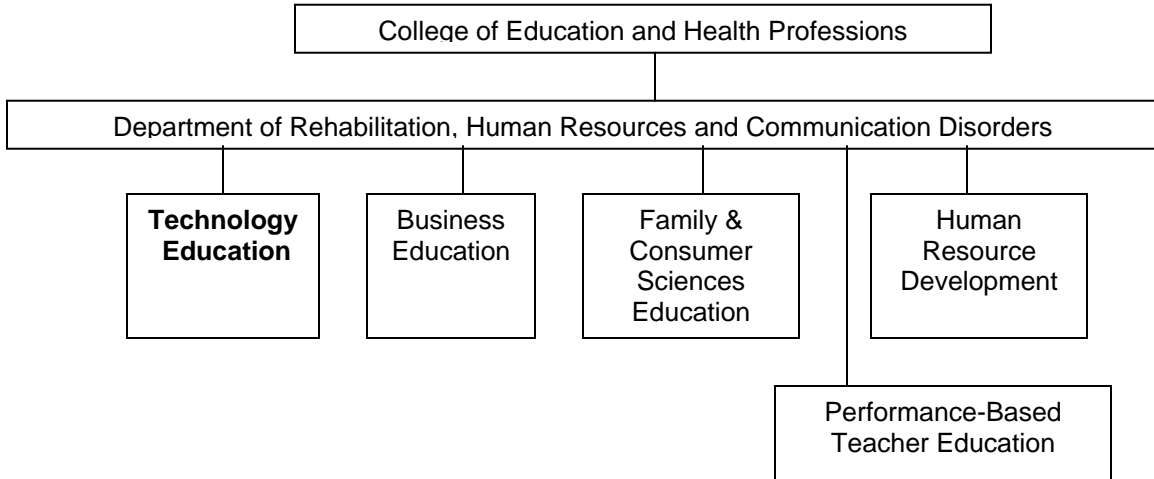
### University of Arkansas Bachelor of Science in Education Degree Vocational Teacher Education/TECHNOLOGY EDUCATION

<b>Core General Education Requirements (38-41 credits)</b>	<b>Technical Applications (21 credits)</b>
<b>English Composition (6 credits)</b>	<input type="checkbox"/> GNEG 1122 Introduction to CAD (2 cr.)
<input type="checkbox"/> ENGL 1013 Composition I (3 credits)	<input type="checkbox"/> TEED 3303 Energy, Power & Trans. (3 cr.)
<input type="checkbox"/> ENGL 1023, Composition II (3 credits)	<input type="checkbox"/> TEED 3203 Inform. & Comm. Syst. (3 cr.)
<b>Advanced Composition (3 credits or exempt)</b>	<input type="checkbox"/> CSCE 1012 College Computing Skills (2)
<input type="checkbox"/> ENGL 2003 –or exempted by examination/grades (3 credits/exempt)	<input type="checkbox"/> INEG 2513 Mfg. Syst. Design/INEG 2510 Lab (3 cr.)
<b>Math (6 credits)</b>	<input type="checkbox"/> COMM 3803 Basic Video Production (3 cr)
<input type="checkbox"/> MATH 1203 College Algebra or higher (3 cr.)	<input type="checkbox"/> MEEG Intro. to Mech. Eng. (3 cr.)
<input type="checkbox"/> MATH 2043 Survey of Calculus (3 cr.)	<input type="checkbox"/> BENG 1022 Bio. Eng. Design Studio I (2)
<b>Sciences + Lab (8 credits)</b>	<b>Technical Electives (14 credits)</b>
<input type="checkbox"/> CHEM 1103 University Chemistry (3 + 1 Lab)	<input type="checkbox"/>
<input type="checkbox"/> PHYS 2013 College Physics (3 + 1 cr. Lab)	<input type="checkbox"/>
<b>Fine Arts and Humanities (6 credits)</b>	<input type="checkbox"/>
<input type="checkbox"/> Fine Arts/select from Univ. Core (3 cr.)	
<input type="checkbox"/> Humanities/select from Univ. Core (3 cr.)	
<b>US History/Government (3 credits)</b>	<b>Professional Education (36 credits)</b>
<input type="checkbox"/> Select from University Core (3 cr.)	<input type="checkbox"/> VOED 1001 Practicum in VOED (1 credit)
<b>Social Sciences (9 credits)</b>	<input type="checkbox"/> CIED 3023 Survey of Exceptionalities (3 cr)
<input type="checkbox"/> PSYC 2003 General Psychology (3 cr.)	<input type="checkbox"/> CIED 3033 Classroom Learning Theory (3 cr)
<input type="checkbox"/> Select from University Core (3 cr.)	<input type="checkbox"/> VOED 4003 Professionalism (3 credits)
<input type="checkbox"/> Select from University Core (3 cr.)	<input type="checkbox"/> VOED 4013 Teaching Strategies (3 credits)
	<input type="checkbox"/> VOED 4023 Classroom Management (3 cr)
	<input type="checkbox"/> VOED 4033 Assessment/Program Eval. (3 cr)
<b>Technical Requirements (50 credits)</b>	<input type="checkbox"/> VOED 4041 Lab Mgmt. in VOED (1 credit)
<b>Technology and Society (6 credits)</b>	<input type="checkbox"/> ETEC 2001 Educational Technology (1 credit)
<input type="checkbox"/> TEED 1103 The Nature of Technology (3 cr.)	<input type="checkbox"/> ETEC 2002L Educational Tech. Lab (2 credits)
<input type="checkbox"/> TEED 2103 Technology and Society (3 cr.)	<input type="checkbox"/> VOED 4051 Seminar (1credit)
<b>Engineering Design (9 credits)</b>	<input type="checkbox"/> VOED 406V Teaching Internship (12 credits)
<input type="checkbox"/> GNEG 1103 Introduction to Engineering (3 cr)	
<input type="checkbox"/> TEED 3103 Tech. Research, Exp. & Trouble-Shooting (3 cr.)	
<input type="checkbox"/> TEED 4103 Eng Design for Tech Ed Capstone (3 cr.)	<b>TOTAL REQUIREMENTS FOR GRADUATION: 124 CREDITS</b>



**11. Provide current and proposed organizational chart.**

Current and Proposed Organizational Chart  
(no change except title: "Industrial Technology" replaced w/"Technology Education")



**12. Amount of funds available for reallocation?**

No funds are needed for reallocation.

**13. Are the existing degrees offered off-campus or via distance delivery? No**

**14. Will the proposed degree be offered on-campus, off-campus, or via distance delivery?**

On-campus.

**15. Identify off-campus location.**

None

**ATTACHMENT 3G**

**University of Arkansas Bachelor of Science in Education Degree – Vocational Teacher Education Plan of Study**

**TECHNOLOGY EDUCATION**

<b>Core General Education Requirements (38-41 credits)</b>	<b>Technical Applications (21 credits)</b>
<b>English Composition (6 credits)</b>	<input type="checkbox"/> GNEG 1122 Introduction to CAD (2 credits)
<input type="checkbox"/> ENGL 1013 Composition I (3 credits)	<input type="checkbox"/> TEED 3303 Energy, Power & Transportation (3 credits)
<input type="checkbox"/> ENGL 1023, Composition II (3 credits)	<input type="checkbox"/> TEED 3203 Information and Communication Systems (3 credits)
<b>Advanced Composition (3 credits or exempt)</b>	<input type="checkbox"/> INEG 2513 Manuf. System Design/INEG 2510 Lab (3 credits)
<input type="checkbox"/> ENGL 2003 -or- exempted by examination/grades (3 credits/exempt)	<input type="checkbox"/> CSCE 1012 College Computing Skills (2 credits)
<b>Math (6 credits)</b>	<input type="checkbox"/> COMM 3803 Basic Video Production (3 credits)
<input type="checkbox"/> MATH 1203 College Algebra or higher (3 credits)	<input type="checkbox"/> MEEG Introduction to Mechanical Engineering (3 credits)
<input type="checkbox"/> MATH 2043 Survey of Calculus (3 credits)	<input type="checkbox"/> BENG 1022 Bio. Engineering Design Studio I (2 credits)
<b>Sciences + Lab (8 credits)</b>	<b>Technical Electives (14 credits)</b>
<input type="checkbox"/> CHEM 1103 University Chemistry (3 credits + 1 credit Lab)	<input type="checkbox"/>
<input type="checkbox"/> PHYS 2013 College Physics (3 credits + 1 credit Lab)	<input type="checkbox"/>
<b>Fine Arts and Humanities (6 credits)</b>	<input type="checkbox"/>
<input type="checkbox"/> Fine Arts/select from University Core (3 credits)	
<input type="checkbox"/> Humanities/select from University Core (3 credits)	
<b>US History/Government (3 credits)</b>	<b>Professional Education (36 credits)</b>
<input type="checkbox"/> Select from University Core (3 credits)	<input type="checkbox"/> VOED 1001 Practicum in VOED (1 credit)
<b>Social Sciences (9 credits)</b>	<input type="checkbox"/> CIED 3023 Survey of Exceptionalities (3 credits)
<input type="checkbox"/> PSYC 2003 General Psychology (3 credits)	<input type="checkbox"/> CIED 3033 Classroom Learning Theory (3 credits)
<input type="checkbox"/> Select from University Core (3 credits)	<input type="checkbox"/> VOED 4003 Professionalism (3 credits)
<input type="checkbox"/> Select from University Core (3 credits)	<input type="checkbox"/> VOED 4013 Teaching Strategies (3 credits)
	<input type="checkbox"/> VOED 4023 Classroom Management (3 credits)
	<input type="checkbox"/> VOED 4033 Assessment/Program Evaluation (3 credits)
	<input type="checkbox"/> VOED 4041 Lab Management in VOED (1 credit)
<b>Technical Requirements (50 credits)</b>	<input type="checkbox"/> ETEC 2001 Educational Technology (1 credit)
<b>Technology and Society (6 credits)</b>	<input type="checkbox"/> ETEC 2002L Educational Technology Lab (2 credits)
<input type="checkbox"/> TEED 1103 The Nature of Technology (3 credits)	<input type="checkbox"/> VOED 4051 Seminar (1credit)
<input type="checkbox"/> TEED 2103 Technology and Society (3 credits)	<input type="checkbox"/> VOED 406V Teaching Internship (12 credits)
<b>Engineering Design (9 credits)</b>	
<input type="checkbox"/> GNEG 1103 Introduction to Engineering (3 credits)	
<input type="checkbox"/> TEED 3103 Tech Research, Exp. & Trouble-Shooting (3 credits)	<b>TOTAL REQUIREMENTS FOR GRADUATION: 124 CREDITS</b>
<input type="checkbox"/> TEED 4103 Eng Design for Tech Ed Capstone (3 credits)	

**ATTACHMENT 3H**  
**Technology Education (TEED) 8-Semester Plan**

<p><b><u>Fall Semester--Freshman Year</u></b>            (3) ENGL 1013 Composition I            (3) GNEG 1103 Introduction to Engineering            (2) BENG 1012 Biological Engineering Design Fundamentals + 1010L Lab            (3) PSYC 2003 General Psychology            (2) GNED 1122 Introduction to CAD            (3) US History/Government*            (1) VOED 1001 Practicum in VOED             Total: 17 hours</p>		<p><b><u>Spring Semester—Freshman Year</u></b>            (3) ENGL 1023 Composition II            (3) MEEG 1103 Introduction to Mechanical Engineering            (2) CSCE 1012 College Computing Skills            (3) MATH 1203 College Algebra            (3) TEED 1103 The Nature of Technology            (2) Technical Elective Course***             Total: 16 hours</p>	
<p><b><u>Fall Semester—Sophomore Year</u></b>            (3+1) CHEM 1103 University Chemistry + 1 credit lab            (3) Fine Arts*            (3) MATH 2043 Survey of Calculus            (1+2) ETEC 2001/2002L Educational Technology and Lab            (3) TEED 2103 Technology &amp; Society             Total: 17 hours</p>		<p><b><u>Spring Semester—Sophomore Year</u></b>            (3) ENGL 2003 Advanced Composition (or exempt**)                 If exempt take additional (3) Technical Elective Course***            (3) INEG 2513 Manufacturing Systems Design/INEG 2510 Lab            (3) TEED 3103 Tech. Research, Experimentation, &amp; Trouble-shooting            (3) Humanities*            (3) Social Sciences*            Total: 15 hours</p>	
<p><b><u>Fall Semester—Junior Year</u></b>            (3) CIED 3023 Survey of Exceptionalities            (3) CIED 3033 Classroom Learning Theory            (3) TEED 3203 Information and Communications Systems            (3) Technical Elective Course***            (3) Technical Elective Course***             Total: 15 hours</p>		<p><b><u>Spring Semester—Junior Year</u></b>            (3) COMM 3803 Basic Video Production            (3) TEED 3303 Energy, Power, &amp; Transportation            (4) PHYS 2013 College Physics + 1 credit lab            (3) Social Sciences*            (3) Technical Elective Course***             Total: 16 hours</p>	
<p><b><u>Fall Semester—Senior Year</u></b>            (3) TEED 4103 Eng. Design for TE Capstone            (3) VOED 4003 Professionalism            (3) VOED 4013 Teaching Strategies            (3) VOED 4023 Classroom Management            (3) VOED 4033 Assess./Prog. Evaluation            (3) Technical Elective Course***             Total: 15 hours</p>	<p><b><u>To be cleared for spring semester:</u></b>            1. Minimum cum GPA 2.5            2. Passing score on Praxis I            3. Take Praxis II-TE            4. Successful interview with VOED teacher education faculty</p>	<p><b><u>Spring Semester—Senior Year</u></b>            (1) VOED 4041 Lab Management            (1) VOED 4051 Seminar            (12) VOED 406V Teaching Internship             Total: 14 hours</p>	<p><b><u>Bachelor's Degree Total</u></b>                     4-Year Total: 124 hours</p>

\*Choose from University Core

\*\*If exempt, choose additional elective class

\*\*\*Use technical elective courses that add to licensure endorsement area

**University Course and Programs Committee**  
**16-Dec-05**

**TABLE ONE**

**Dale Bumpers College of Agricultural, Food, and Life Sciences**

Department of Crop, Soil and Environmental Sciences

WLHA-M - Wildlife Habitat Minor - Attachment 1A

Several courses in Biology have been removed either because they have been eliminated by the Biology Department or they are graduate level courses cannot be taken by undergraduate students as specified in the attachment.

**TABLE TWO**

**Walton College of Business**

Business Minor for Business Students - Attachment 2A

Include the 2.0 GPA requirement for business minors for business students seeking business minors as specified in the attachment.

BSBA - Business College Foreign Language Concentration Requirement - Attachment 2B

Modify foreign language concentration requirement to reflect the curriculum requirement of 15 hours for junior/senior business electives as specified in the attachment.

WISY-M - Information Systems Minor - Attachment 2C

Add two classes under the heading "Information Systems Minor for Business Students" as specified in the attachment.

WERP-M - Enterprise Resource Planning Minor - Attachment 2D

Change interdisciplinary Enterprise Resource Planning Minor for business students as specified in the attachment.

Business Administration Minors for Non-Business Students - Attachment 2E

Add two concentrations to the business minor listing for non-business students as specified in the attachment.

MBA - Master of Business Administration - Attachment 2F

Change in format and course requirements as specified in the attachment.

**UCPC December 2005**

**12/16/2005**

**TABLE THREE**

**College of Education and Health Professions**

Department of Rehabilitation, Human Resources, and Communication Disorders

VOEDBS - Human Resource Development Concentration - Attachment 3A  
Rename course prefixes from VAED and ITED to HRDV and reorganize  
ITED 456V into separate discrete non-repeatable fixed-hour courses as  
specified in the attachment.

VOEDBS- Industrial and Technology Education Concentration - Attachments 3B-3E  
Change the Industrial and Technical Education component of VOED program to Technology  
Education as specified in the attachments.

PBTEBS - Performance-Based Teacher Education Concentration - Attachments 3F-3H  
Change name from Performance-Based Teacher Education (PBTE) to Competency-Based  
Teacher Development (CBTD) and course requirements as specified in the attachments.

**TABLE FOUR**

**College of Engineering**

Department of Biological and Agricultural Engineering

BENGBS - Changes is degree requirements, elimination of one concentration and  
other changes as specified in the attachment.

## ATTACHMENT 4A

### 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
Undergraduate Program Committee Chair	Date	Board of Trustees Approval Date	
Graduate Council Chair	Date	Arkansas Higher Education Coordinating Board Approval 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 2006-07

Current Name Biological Engineering

College, School, Division ENGR Department Code BAEG

Current Code (6 digit Alpha) BENGBS Proposed Code (6 digit Alpha) \_\_\_\_\_  
Prior approval from the Office of the Registrar is required.

Interdisciplinary Program CIP Code 14.0301  
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:

There are 8 proposed changes to the requirements for the B.S. degree in Biological Engineering:

- 1) Addition of a requirement for GNEG 1103 (Introduction to Engineering).
- 2) The elimination of the requirement of BENG 1012 (Biological Engineering Design Fundamentals).
- 3) Elimination of the requirement for MEEG 2013 (Dynamics).

**4) Increase in the number of Technical Electives required from 6 hours to 9 hours, with the stipulation that at least 3 hours of technical electives must be selected from among upper level engineering courses. The other 6 hours can be selected from approved courses in mathematics, science and engineering, as is currently required.**

**5) Addition of a stipulation that the 6 hours of required BENG Design Electives must be selected from those courses listed within a single area of concentration within the program (i.e., the student cannot mix Design Electives from 2 areas).**

**6) Listing two (only) BENG Design Electives in each area of concentration.**

**7) Elimination of Bioresources Engineering as an area of concentration.**

**8) Renaming of the Food and Bioprocess Engineering area of concentration to Biotechnology Engineering.**

**As a result of these changes, the total hours for the degree will increase from 128 hours to 129 hours.**

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.)*

**(1)-(2) above will allow us to increase teaching efficiency by utilizing the newly created general introductory course offered by the College of Engineering. The general course fully meets the needs of our students.**

**(3)-(5) above will increase the depth of coverage within the student's selected area of concentration. The program does not require MEEG 2013 as a pre-requisite for any core course. It was eliminated in favor of an additional technical elective (specified as an upper level engineering course).**

**(6) above is intended to focus student enrollment into a smaller set of courses, thereby increasing student numbers in each course offered. Additional existing upper level biological engineering courses will be offered irregularly as technical electives in response to student demand.**

**(7) above has resulted from the reduced numbers of students interested in this area. New students with these interests can adopt one of the other 3 remaining areas, with Ecological Engineering providing a good fit for most. Students with a strong interest in mechanical/equipment design will be advised to consider Mechanical Engineering as a major.**

**(8) above provides a new name that better describes the area to students, stakeholders and potential employers.**

**These changes will have no impact on other programs.**

#### **SECTION VII: Catalog Text and Format**

*Insert the current catalog text and the proposed catalog text. Be sure that the proposed text includes all the elements listed below in order. Do not include university requirements or college requirements. Do not substitute a sample schedule for an explicit statement of requirements. Use standard terms and vocabulary (see Academic Policy 1621.10).*

**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:**

**BIOLOGICAL AND AGRICULTURAL ENGINEERING (BAEG)**

**Lalit Verma**

**Head of the Department**

**203 Engineering Hall**

**479-575-2351**

- **Professors Gardisser, Griffis, Li, Loewer, VanDevender, Verma,**
- **Associate Professors Carrier, Costello, Huitink, Matlock, Tacker**
- **Assistant Professors Bajwa, Chaubey, Kavdia, Kim, Osborn, Ye**
- **Adjunct Professor Ang, Clausen, Deaton, Ingels, Malshe**
- **Adjunct Associate Professors Beitle, Yang**
- **Adjunct Assistant Professors Haggard, Howell, Shafirstein, Wimberly**

**Biological Engineers improve people's lives today and help assure a sustainable quality of life for tomorrow. They create solutions to problems by coupling living systems (human, plant, animal, environmental, food, and microbial) with the tools of engineering and biotechnology. Biological engineers improve human health through biomedical engineering; ensure a safe, nutritious food supply and create critical, new medicines through food and bioprocess engineering; secure a healthy and safe environment through ecological engineering; and create tools to manage agriculture, the environment, and the products of biotechnology through bioresource engineering.**

**Biological Engineering is an ABET accredited program leading to the B.S. degree. M.S. and Ph.D. degrees are also offered. The curriculum is under the joint supervision of the dean of the College of Engineering and the dean of the Dale Bumpers College of Agricultural, Food and Life Sciences. The Bachelor of Science in Biological Engineering degree is conferred by the College of Engineering and is granted after the successful completion of 128 hours of approved course work.**

**The educational objectives of the Biological Engineering program are to produce graduates who 1) effectively apply engineering to biological systems and processes (plant, animal, human, microbial, and ecosystem) with demonstrated proficiency in basic professional and personal skills, and 2) are well prepared for future challenges in biological engineering, life-long learning, and professional and ethical contributions to society through sustained accomplishments.**

**Areas of Concentration**

**The four areas of concentration in biological engineering are as follows:**

**Biomedical Engineering – an overview of instrumentation, physiological modeling, biomechanics, biomaterials rehabilitation engineering, and assistive technology for the disabled. This area is excellent preparation for medical, veterinary, or dental school as well as for graduate programs in biomedical engineering.**

**Bioresource Engineering – remote sensing, geographic information systems and other technology for managing agriculture and bioresources, and designing machines to interface with living systems.**



Ecological Engineering – integrates ecological principles into the design of sustainable systems to treat, remediate, and prevent pollution to the environment. Applications include stream restoration, watershed management, water treatment design, ecological services management, urban greenway design and enclosed ecosystem design.

Food and Bioprocess Engineering – biotechnology, food processing, food safety and security, developing new products from biomaterials, and using bacteria to synthesize products.

Each student is required to complete 12 semester hours of approved electives in his or her area of concentration. Six of these hours must be from the biological engineering design elective courses. The remaining six hours are classified as technical electives and consist mainly of upper-division courses in engineering, mathematics, and the sciences as approved by the student's adviser. The department maintains a list of approved electives.

The areas of technical concentration and the recommended elective courses for each are listed here. Note that additional Biological Engineering Design Elective courses (beyond the six hours required) may be taken to satisfy Technical Elective requirements. Some electives are specially denoted (?) as strongly recommended by the faculty for students in a particular area of concentration.

### Biomedical Engineering

NOTE: Pre-Medical students must take CHEM 3603/3601L, Organic Chemistry I, and CHEM 3613/3611L, Organic Chemistry II, instead of CHEM 2613/2611L, Organic Physiological Chemistry. This requires special scheduling of courses beginning in the first sophomore semester. See your faculty adviser for this schedule plan.

#### Design Electives:

BENG 4203 Introduction to Biomedical Engineering?

BENG 4213 Applications of Biomedical Engineering?

#### Technical Electives:

CHEM 3613 Organic Chemistry II

CHEM 3611L Organic Chemistry II Lab

BIOL 2404 Comparative Vertebrate Morphology, or

BIOL 2443/2441L Human Anatomy?

BIOL 4234 Comparative Physiology, or

BIOL 2213/2211L Human Physiology

BENG 4113 Risk Analysis for Biological Systems

BENG 4123 Biosensors and Bioinstrumentation

BENG 4623 Biological Reactor Systems Design

BIOL 2533/2531L Cell Biology

BIOL 4233 Microbial Genetics

KINS 3353 Mechanics of Human Movement

ELEG 2903 Digital Systems

HESC 3204 Nutrition

### Bioresource Engineering

#### Design Electives:

BENG 4913 Design of Agricultural Waste Management Systems

BENG 4113 Risk Analysis for Biological Systems

BENG 4123 Biosensors and Bioinstrumentation

#### Technical Electives:

BENG 4803 Precision Agriculture

GEOL 4413 Principles of Remote Sensing

GEOG 4563 Vector GIS

GEOG 4593 Introduction to GPS

MEEG 3113 Machine Dynamics and Control

MEEG 4123 Finite Element Methods

INEG 4533 Application of Machine Vision

### Ecological Engineering

**Design Electives:**

**BENG 4903 Natural Resources Engineering?**  
**BENG 4113 Risk Analysis for Biological Systems**  
**BENG 4403 Enclosed Ecosystems Design**  
**BENG 4623 Biological Reactor Systems Design**  
**BENG 4913 Design of Agricultural Waste Management Systems**  
**BENG 4923 Nonpoint Source Pollution Engineering**

**Technical Electives:**

**CVEG 3243 Environmental Engineering**  
**CVEG 4243 Environmental Engineering Design**  
**CSES 2203 Soil Science**  
**CSES 4043 Environmental Impact and Fate of Pesticides**  
**BENG 4803 Precision Agriculture**  
**GEOG 4543 Geographic Information Systems**  
**ENSC 4034 Analysis of Environmental Contaminants**  
**BIOL 3863/3861L General Ecology**

**Food and Bioprocess Engineering**

**Design Electives:**

**BENG 4703 Food and Bioprocess Engineering?**  
**BENG 4113 Risk Analysis for Biological Systems**  
**BENG 4123 Biosensors and Bioinstrumentation**  
**BENG 4623 Biological Reactor Systems Design**

**Technical Electives:**

**FDSC 4304 Food Chemistry**  
**FDSC 4124 Food Microbiology**  
**FDSC 3103 Principles of Food Proc.**  
**CHEM 3453/3451L Elements of Physical Chemistry**  
**MEEG 4413 Heat Transfer**  
**CHEG 4423 Auto. Process Control**

**The following section contains the list of courses required for the Bachelor of Science in Biological Engineering degree and a suggested sequence. Some courses are not offered every semester, so students who deviate from the suggested sequence must pay careful attention to course scheduling and course prerequisites.**

**BIOLOGICAL ENGINEERING PROGRAM**

**Freshman Year - First Semester**

**2 BENG 1012 Biological Engr Design Fundamentals**  
**3 ENGL 1013 Composition I**  
**3 CHEM 1103 University Chemistry I**  
**4 MATH 2554 Calculus I**  
**3 Humanities/Social Science Elective**  
**15 semester hours**

**Second Semester**

**2 BENG 1022 Biological Engr Design Studio I**  
**3 ENGL 1023 Technical Composition II**  
**3 CHEM 1123 University Chemistry II**  
**1 CHEM 1121L University Chemistry II Lab**  
**4 MATH 2564 Calculus II**  
**3 BIOL 1543 Principles of Biology**  
**1 BIOL 1541L Principles of Biology Lab**  
**17 semester hours**

**Sophomore Year - First Semester**

**2 BENG 2612 Biological Engr Design Studio II**

4 PHYS 2054 University Physics I  
4 MATH 2574 Calculus III  
3 BIOL 2013 General Microbiology\*  
1 BIOL 2011L General Microbiology Lab  
3 Humanities/Social Science Elective  
17 semester hours

Second Semester

2 BENG 2622 Biological Engr Design Studio III  
4 PHYS 2074 University Physics II  
3 MEEG 2003 Statics  
3 MEEG 2403 Thermodynamics, or  
CHEG 2313 Thermodynamics of Single Component Systems  
3 CHEM 2613 Organic Physiological Chemistry\*  
1 CHEM 2611L Organic Physiological Chemistry Lab  
16 semester hours

Junior Year - First Semester

2 BENG 3712 Engr Properties of Biol Materials  
3 ELEG 2103 Electronic Circuits  
1 ELEG 2101L Electronic Circuits Lab  
3 MEEG 3013 Mechanics of Materials  
3 CVEG 3213 Hydraulics, or  
MEEG 3503 Mechanics of Fluids, or  
CHEG 2133 Fluid Mechanics  
3 CHEM 3813 Intro. to Biochemistry  
15 semester hours

Second Semester

3 BENG 3723 Unit Operations in Biological Engr  
3 BENG 3803 Mechanical Design in Biological Engr  
3 BENG 4103 Instrumentation in Biological Engr  
3 MEEG 2013 Dynamics  
4 MATH 3404 Differential Equations  
16 semester hours

Senior Year - First Semester

3 BENG 4813 Senior Biological Engr Design I  
3 BENG 3733 Transport Phenomena in Biological Systems  
3 BENG Design elective  
6 Humanities/Social Studies Elective  
15 semester hours

Second Semester

2 BENG 4822 Senior Biological Engr Design II  
3 BENG Design elective  
6 Humanities/Social Science Elective  
6 Technical elective  
17 semester hours

128 Total hours required

\*Students in the Pre-Medical focus area must see faculty adviser for alternate scheduling and elective course requirements.

SEE PAGE 251 FOR BIOLOGICAL ENGINEERING (BENG) COURSES

\*\*\*\*\*

Proposed Catalog Text:

1622.20A p/vcaa 10/1/00

ATTACHMENT 4A - BIOLOGICAL ENGINEERING.doc

C:\program files\qualcomm\eudora\attach\UCPC DECEMBER 05 -

## BIOLOGICAL AND AGRICULTURAL ENGINEERING (BAEG)

Lalit Verma

Head of the Department

203 Engineering Hall

479-575-2351

- Professors Gardisser, Griffis, Li, Loewer, VanDevender, Verma,
- Associate Professors Carrier, Chaubey, Costello, Huitink, Matlock, Tacker
- Assistant Professors Bajwa, Kavdia, Kim, Osborn, Ye
- Adjunct Professor Ang, Clausen, Deaton, Ingels
- Adjunct Associate Professors Beitle, Yang
- Adjunct Assistant Professors Haggard, Howell, Shafirstein, Wimberly

Biological Engineers improve people's lives today and help assure a sustainable quality of life for tomorrow. They create solutions to problems by coupling living systems (human, plant, animal, environmental, food, and microbial) with the tools of engineering and biotechnology. Biological engineers improve human health through biomedical engineering; ensure a safe, nutritious food supply and create critical, new medicines through biotechnology engineering; and secure a healthy and safe environment through ecological engineering. A B.S. degree in biological engineering is also excellent preparation for medical school.

Biological Engineering is an ABET accredited program leading to the B.S. degree. M.S. and Ph.D. degrees are also offered. The curriculum is under the joint supervision of the dean of the College of Engineering and the dean of the Dale Bumpers College of Agricultural, Food and Life Sciences. The Bachelor of Science in Biological Engineering degree is conferred by the College of Engineering and is granted after the successful completion of 129 hours of approved course work.

The educational objectives of the Biological Engineering program are to produce graduates who 1) effectively apply engineering to biological systems and processes (plant, animal, human, microbial, and ecosystem) with demonstrated proficiency in basic professional and personal skills, and 2) are well prepared for future challenges in biological engineering, life-long learning, and professional and ethical contributions to society through sustained accomplishments.

### Areas of Concentration

The three areas of concentration in biological engineering are as follows:

Biomedical Engineering – nanomedicine, tissue engineering, organ regeneration and its clinical application, bioinstrumentation, biosensing/medical imaging, medical electronics, physiological modeling, biomechanics, and rehabilitation engineering. This area is excellent preparation for medical, veterinary, or dental school as well as for graduate programs in biomedical engineering.

Biotechnology Engineering – biotechnology at the micro and nano scale, food processing, food safety and security, developing new products from biomaterials, and biotransformation to synthesize industrial and pharmaceutical products.

Ecological Engineering – integrates ecological principles into the design of sustainable systems to treat, remediate, and prevent pollution to the environment. Applications include stream restoration, watershed management, water and waste water treatment design, ecological services management, urban greenway design and enclosed ecosystem design.

Each student is required to complete 15 semester hours of approved electives in his or her area of concentration. Six hours must be from the biological engineering design elective courses (listed below) from a single area of concentration. The remaining nine hours are classified as technical electives and consist mainly of upper-division courses in engineering, mathematics, and the sciences as approved by the student's adviser. The selected technical electives must include at least 3 hours of upper level engineering courses (either within BENG or from other engineering departments). The department maintains a list of approved electives.

The areas of technical concentration and the recommended elective courses for each are listed here.

### Biomedical Engineering

#### Design Electives:

#### BENG 3213 Biomedical Engineering: Emerging Methods and Applications

## **BENG 4203 Biomedical Engineering Principles**

### **Technical Electives:**

**BIOL 2533/2531L Cell Biology**  
**CHEM 3613 Organic Chemistry II**  
**CHEM 3611L Organic Chemistry II Lab**  
**BIOL 2404 Comparative Vertebrate Morphology, or**  
**BIOL 2443/2441L Human Anatomy**  
**BIOL 4234 Comparative Physiology, or**  
**BIOL 2213/2211L Human Physiology**  
**BENG 4113 Risk Analysis for Biological Systems**  
**BENG 4123 Biosensors and Bioinstrumentation**  
**BENG 4623 Biological Reactor Systems Design**  
**BENG 451VH, Honors Thesis**  
**BIOL 4233 Microbial Genetics**  
**KINS 3353 Mechanics of Human Movement**  
**ELEG 2903 Digital Systems**  
**HESC 3204 Nutrition**

## **Biotechnology Engineering**

### **Design Electives:**

**BENG 4703 Biotechnology Engineering**  
**BENG 4623 Biological Reactor Systems Design**

### **Technical Electives:**

**BENG 4113 Risk Analysis for Biological Systems**  
**BENG 4123 Biosensors and Bioinstrumentation**  
**BENG 451VH Honors Thesis**  
**FDSC 4304 Food Chemistry**  
**FDSC 4124 Food Microbiology**  
**FDSC 3103 Principles of Food Proc.**  
**BIOL 4233 Microbial Genetics**  
**BIOL 4313 Physiology of Microorganisms**  
**CHEM 3453/3451L Elements of Physical Chemistry**  
**MEEG 4413 Heat Transfer**  
**CHEG 3153 Non-equilibrium Mass Transfer**  
**CHEG 4423 Auto. Process Control**  
**HESC 3204 Nutrition**

## **Ecological Engineering**

### **Design Electives:**

**BENG 4903 Ecological Engineering Principles**  
**BENG 4923 Ecological Engineering Design**

### **Technical Electives:**

**BENG 4113 Risk Analysis for Biological Systems**  
**BENG 4403 Enclosed Ecosystems Design**  
**BENG 4623 Biological Reactor Systems Design**  
**BENG 4803 Precision Agriculture**  
**BENG 4123 Digital Remote Sensing and GIS**  
**BENG 451VH, Honors Thesis**  
**BIOL 3863/3861L, General Ecology**  
**CVEG 3243 Environmental Engineering**  
**CVEG 4243 Environmental Engineering Design**  
**CSES 2203 Soil Science**  
**CSES 4043 Environmental Impact and Fate of Pesticides**  
**GEOG 4543 Geographic Information Systems**  
**ENSC 4034 Analysis of Environmental Contaminants**

The following section contains the list of courses required for the Bachelor of Science in Biological Engineering degree and a suggested sequence. Some courses are not offered every semester, so students who deviate from the suggested sequence must pay careful attention to course scheduling and course prerequisites. Pre-Medical students must take CHEM 3603/3601L, Organic Chemistry I, and CHEM 3613/3611L, Organic Chemistry II, instead of CHEM 2613/2611L, Organic Physiological Chemistry. This requires special scheduling of courses beginning in the first sophomore semester. See your faculty adviser for this schedule plan.

## **BIOLOGICAL ENGINEERING PROGRAM**

### **Freshman Year - First Semester**

**3 GNEG 1103 Introduction to Engineering**

**3 ENGL 1013 Composition I**

**3 CHEM 1103 University Chemistry I**

**4 MATH 2554 Calculus I**

**3 U. S. History Requirement**

**16 semester hours**

### **Second Semester**

**2 BENG 1022 Biological Engr Design Studio I**

**3 ENGL 1023 Technical Composition II**

**3 CHEM 1123 University Chemistry II**

**1 CHEM 1121L University Chemistry II Lab**

**4 MATH 2564 Calculus II**

**3 BIOL 1543 Principles of Biology**

**1 BIOL 1541L Principles of Biology Lab**

**17 semester hours**

### **Sophomore Year - First Semester**

**2 BENG 2612 Biological Engr Design Studio II**

**3 MEEG 2003, Statics**

**4 PHYS 2054 University Physics I**

**4 MATH 2574 Calculus III**

**3 BIOL 2013 General Microbiology**

**1 BIOL 2011L General Microbiology Lab**

**17 semester hours**

### **Second Semester**

**2 BENG 2622 Biological Engr Design Studio III**

**4 PHYS 2074 University Physics II**

**3 MEEG 2403 Thermodynamics, or**

**CHEG 2313 Thermodynamics of Single Component Systems**

**3 ELEG 2103, Electronic Circuits I**

**1 ELEG 2101L, Electronic Circuits I Lab**

**3 CHEM 2613 Organic Physiological Chemistry**

**1 CHEM 2611L Organic Physiological Chemistry Lab**

**17 semester hours**

### **Junior Year - First Semester**

**2 BENG 3712 Engr Properties of Biol Materials**

**3 MEEG 3013 Mechanics of Materials**

**3 CVEG 3213 Hydraulics, or**

**MEEG 3503 Mechanics of Fluids, or**

**CHEG 2133 Fluid Mechanics**

**3 CHEM 3813 Intro. to Biochemistry**

**4 MATH 3404 Differential Equations**

**3 Technical Elective**

**18 semester hours**

**Second Semester**

- 3 BENG 3723 Unit Operations in Biological Engr**
- 3 BENG 3803 Mechanical Design in Biological Engr**
- 3 BENG 4103 Instrumentation in Biological Engr**
- 3 BENG Design Elective**
- 3 Humanities/Social Science Elective**
- 15 semester hours**

**Senior Year - First Semester**

- 3 BENG 4813 Senior Biological Engr Design I**
- 3 BENG 3733 Transport Phenomena in Biological Systems**
- 3 BENG Design Elective**
- 6 Humanities/Social Science Elective**
- 15 semester hours**

**Second Semester**

- 2 BENG 4822 Senior Biological Engr Design II**
- 6 Humanities/Social Science Elective**
- 3 Technical (Engineering) elective**
- 3 Technical elective**
- 14 semester hours**

**129 Total hours required**

**SEE PAGE 251 FOR BIOLOGICAL ENGINEERING (BENG) COURSES**

**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 \_\_\_\_\_

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 (7) Treasurer (8) Undergraduate Program Committee Initials \_\_\_\_\_ Date \_\_\_\_\_