

Academic Program Proposals

April 24, 2009

The following is a list of academic program proposals being considered for approval for the April 24, 2009, Arkansas Higher Education Coordinating Board Meeting.

The Institution's Name, Program Title, and Program Summary are listed below. To download a PDF copy of the proposal, click on the following link: www.adhe.edu/aboutadhe/ahecboard/pages/board_p2.aspx. Contact ADHE for a copy of the attachments and appendices.

If you have concerns, objections, questions or comments concerning a specific proposal, please send them to the contact person listed on the full proposal, as well as to **Cynthia Moten** (cynthiam@adhe.edu) at ADHE, no later than **February 27, 2009**.

Download program proposals in Adobe Acrobat PDF (portable document format). If you do not have an Acrobat reader, you can obtain it free of charge from Adobe.

<http://www.adobe.com>

Arkansas Tech University Associate of Applied Science in Culinary

Program Summary

The Associate of Applied Science degree in Culinary will provide a foundation and specialized study in the culinary field through theory, laboratory observations/experiences and field experiences for students interested in a career in food preparation, cooking and foodservice management. Graduates will be prepared for careers in restaurants, clubs, hotels, catering operations, institutional food operations and other areas of foodservice management. Graduates of the Associate of Applied Science program may also elect to pursue the Bachelor of Science degree in Hospitality Administration at Arkansas Tech University.

Twelve of the required culinary courses will be cross listed with Hospitality Administration courses. Only 5 new culinary courses are being added for the Associate's degree. At least one FTE faculty position in the Hospitality Administration Program will be dedicated to food, beverage and culinary education. The Culinary Program will utilize chefs to teach as adjunct professors for the specialty courses in baking, pastry, sauces, soups, and stocks. There are 11 chefs from central Arkansas who serve on the Culinary Advisory Committee for the Program and several have indicated an interest in teaching courses in the Culinary Program. The Associate degree will require 4 additional adjunct professors per year for various specialty courses.

Arkansas Tech University is fortunate to have a commercial food lab and full service dining facility in Williamson Hall. The 55,000 square foot Lake Point Conference Center, which was added to the Arkansas Tech campus in 2006, also has a full service commercial kitchen, a demonstration kitchen, and a dining facility. These Arkansas Tech facilities can be more fully utilized by adding an Associate degree in Culinary. At the present time Williamson food lab and dining room receive little use during the summer months; with this degree the facilities would be better utilized year-round. The Culinary Program will encourage more students to enroll during the summer months and better utilize the food lab and dining room for culinary classes and labs.

There will be only a small addition to the departmental budget, mostly for additional pots, pans, bakeware and miscellaneous utensils. Culinary students will have course lab fees to cover food costs associated with the courses.

The Culinary Program will be supported by the existing Bachelor of Science in Hospitality Administration which has an emphasis in Food and Beverage Management. In addition to sharing cross listed courses, faculty, equipment and facilities the Culinary Program will share library resources with the Hospitality Program.

**Arkansas Delta Training and Education Consortium (ADTEC)
Certificate of Proficiency, Technical Certification and Associate of Applied Science in Renewable Energy Technology**

Program Summary

The new program in Renewable Energy Technology is a joint proposal presented by the Arkansas Delta Training and Education Consortium (ADTEC). This consortium is composed of five Eastern Arkansas Delta community colleges: Arkansas Northeastern College, Arkansas State University-Newport, East Arkansas Community College, Phillips Community College of the University of Arkansas, Mid-South Community College.

The Center of Excellence in Renewable Energy Technology Education, through the department of applied technology, is requesting approval of a new program with a career pathway beginning with a Certificate of Proficiency to a Technical Certificate and leading to an Associate in Applied Science degree. The new degree/program, Renewable Energy Technology, will offer an AAS with a total of 63-65 credit hours for the AAS. This program with a defined career pathway is a goal of the Community Based Job Training and WIRED grant awarded to Phillips Community College of the University of Arkansas in April of 2008. It will be offered on the PCCUA campus and replicated at Arkansas State University-Newport, Arkansas Northeast Community College, Mid South Community College, and East Arkansas Community College as an ADTEC program of study. After a student earns the AAS, he/she will be able to pursue a Bachelor of Applied Science which has been planned as a component of the program and will be provided by Arkansas State University (ASU) in Jonesboro.

The Renewable Energy Technology (RET) program is designed for students interested in careers in renewable energy technology. Focusing on the practices, skills, and knowledge necessary for employment in the numerous industries associated with the emerging field of renewable energy, RET provides learning experiences through the implementation of an engaged and applied curriculum delivery system that addresses the various processes and services which constitute the industry. Students will explore the RET industries and the integrated roles played by producers, managers, laborers, regulators, planners, and others in the field. Educational experiences will include a basic introduction to renewable energy technology as well as basic courses in safety instruction, basic electricity, technical thinking, and a basic mechanics course as well as more advanced courses like biomass and feedstocks, biofuels and bioprocess practices, and process instrumentation. Accordingly, the curriculum and its interaction with professionals in the industry provide students with the knowledge, skills and experience to be successful in the rapidly expanding field.

Only a few courses will be added to the curriculum to provide the Certificate of Proficiency, Technical Certificate, and Associate Degree in Renewable Energy Technology. The new courses are 1) Introduction to Renewable Energy Technology, 2) Biofuels, 3) Biomass and Feedstocks w/ Lab, 4) Bioprocess Practices and Lab, 5) Process Instrumentation (the title of this course may vary from one college to another), 6) Internship. In addition, an elective will be made available at some of the ADTEC colleges. The curriculum will also include existing courses such as Basic Mechanics, Industrial Safety, and Basic Electricity, and a new elective, Technical Thinking (See Section 7, pg.14 for full course descriptions)

The total cost of this project is \$3,175,314, with \$1,983,214 of this amount requested under this U.S. Department of Labor Employment and Training Administration Community-Based Job Training Grant Proposal. The detailed budget is provided in Section 10. Note that the budget represents the funding for the Center of Excellence for Renewable Energy Technology and the baccalaureate portion of the Career Pathway in Renewable Energy Technology, which will be located in Arkansas County. Funding for this Center is from the following sources:

1. University Center funds	\$ 370,100
2. Arkansas Delta WIRED region (Federal)	\$ 672,000
3. Economic Development Funds	\$ 125,000
Total	\$1,167,100

Of the amount of \$1,983,214 requested under the grant proposal from USDOL/ETA, the amount of \$600,000 (30.2%) will be used to support tuition and training fees. An additional amount of \$25,000 has been committed by the Arkansas State WIB for this purpose. This pool of tuition and training fees will be jointly accessed by community colleges and one-stop centers. All training and education funded by the grant must be accomplished at an ADTEC community college. The remaining \$1,383,214 will support capacity building at the five Arkansas Delta Training and Education Consortium community colleges. These capacity-building funds will support the salary and fringe benefits for one faculty member, equipment, travel, supplies, and indirect costs at each of the ADTEC community colleges, with the exception of Phillips Community College of the University of Arkansas (PCCUA). PCCUA capacity is funded through the non-DOL/ETA funds shown above.

The Center of Excellence for Renewable Energy Technology, which is funded by the sources shown above, will develop the Career Pathway in Renewable Energy Technology. This Center will provide programs of study, training materials, laboratory exercises, summer workshops for high school and community college teachers, and will be the primary resource for regional community colleges. This Center will also support regional industry by 1) Developing education and training materials; 2) Facilitate workshops and conferences; and, 3) Maintain a database of skill standards.

**Cossatot Community College of the University of Arkansas
Associate of Applied Science in Culinary Arts**

Program Summary

The Culinary Arts program is an Associate of Applied Science degree program that will provide foundation and specialized study on the culinary field through academic, laboratory, and field experiences. The freshman studies provide the knowledge and skills necessary for the individual to ensure efficient and quality product preparation and service in the food-service setting. The required general education courses enhance the experience. The sophomore studies expand on culinary knowledge and skills through more advanced culinary studies with additional emphasis placed on management, personnel, ethics, and law in a service setting with preparation of the individual for increasing supervisory responsibility. This program prepares its graduates for careers in restaurants, clubs, hotels, catering operations, and institutional food service.

Students will gain practical experience in catering and restaurant operation by preparing and serving meals to groups visiting the College. In the course of the program, each student rotates through several positions, from dishwasher to manager. Actual meeting time may vary from week to week depending on the activities in which students participate. Night and weekend work may be required on some occasions. Upon completion of the Sanitation and Safety course, students must pass the National Restaurant Association's food service sanitation certification test in order to stay in the program. Successful completion of the program and additional work experience under a certified chef/baker allow graduates to take the certification examinations of the American Culinary Federation and The Retail Bakers Association.

Thirteen new courses will be added to the CCCUA catalog to accommodate the curricular demands of the program. New courses will include: Sanitation and Safety, Food Science & Nutrition, Food Production I, Baking and Desserts, Dining Service & Presentation, Catering Management, Menu Planning & Purchasing, Food Production II, Food Production III, Stocks, Sauces, and Soups, Garde Manger, Meat and Seafood, and American Regional Cuisine

Facility and equipment costs are significant and have been budgeted as part of the \$1.5 million renovation of the Ashdown campus. The program will require two full-time faculty members at an annual cost of approximately \$78,400 annually. The college estimates an annual supply cost of approximately \$30,000 with a substantial amount of this money being recovered by catering fees after the first year of operation.

Two new, full-time faculty (beginning with one the first semester and adding the second in semester two) will be required. Faculty will be required to have an Associate Degree or Higher in Culinary Arts with preference given to Bachelor Degrees in Culinary Arts or Hospitality Management and Chef Certification. The expected hire date for the lead instructor is May, 2009. The second instructor is expected to be hired in December, 2009. The annual cost of faculty resources is just above \$78,000.

Rich Mountain Community College Technical Certificate in Computer Forensics by distance technology

Program Summary

It is important to understand where RMCC has come in the last two years in its online offerings. The RMCC Board of Trustees made the increase in online offerings a priority and set aside over \$130,000 out of reserves to provide incentives and resources to increase the number of online courses offered. A distance education taskforce has been established in recent years and continues to enhance policies and procedures for course development, delivery methods, and professional development to insure quality online course offerings.

During the fall of 2007 RMCC only offered five courses via online delivery. During the Spring 2009 semester 22 online courses were offered in a variety of disciplines and degrees.

Computer forensics, sometimes called cyber forensics, is the use of analytical techniques to identify, collect, preserve, and examine evidence and information that is magnetically stored or encoded on the storage media of computers, telephones, personal digital assistants (PDAs), and other electronic devices capable of storing digital information. It is used to recover and review hidden files, damaged or corrupted files, deleted files, password protected files, encrypted files, email and web mail correspondence, evidence of web browsing, internet chat data, cellular telephone records, and Global Positioning System tracks, among others.

This program prepares students to work in computer investigations. Typically, information is gathered during a computer forensics investigation that is not available to or viewable by the average computer user, such as deleted files and fragments of data that are hidden or otherwise obscured from view. Special skills and tools are needed to obtain this type of information or evidence.

Thus, training students in the preservation, identification, extraction, interpretation, and documentation of computer evidence and following the rules of evidence and legal procedures is the purpose of this course of instruction. Learning outcomes include knowing how to maintain the integrity of evidence and factually report the information uncovered during an investigation.

No additional faculty are needed to offer the computer forensics courses. Money has been allocated to provide advertising and marketing for the new program. No additional costs are foreseen. Moodle is currently being used as the delivery platform. Moodle is an open source product which higher education institutions can use free of charge.

Existing faculty will teach the courses required for the certificate. The current delivery platform, Moodle, will be used for online course delivery.

There is no other program such as this in the state. There are jobs available in this field in the RMCC service area, the state of Arkansas, and the rest of the country. For students wanting to enter the field, there are four employment possibilities, 1) to enter law enforcement, 2) to work in the information security or computing investigations department of a private company, 3) to work for a specialized computer forensics company, or 4) to start one's own business providing computer forensic services and consulting. Attorneys frequently need the services of computing professionals with computer forensic skills as do individuals and businesses. According to Steve Hailey of the Cyber Security Institute, "There is now, and will continue to be, an infinite demand for computer forensics experts".

University of Arkansas Community College at Hope Associate of Applied Science in Power Plant Technology

Program Summary

[This program is designed for entry-level employment in the operation of facilities where steam and/or electricity is generated such as modern fossil fuel power plants, food processing plants, paper mills, tire and rubber product manufacturers, water treatment facilities, or others. Graduates will master the theories and responsibilities of plant operations and the mechanical and chemical technologies needed for working in related industrial operations.](#) Four areas of emphasis will be offered: Power Plant Operations, Electrical and Instrument Tech, Welding, or Machinist.

Existing degree programs that support the proposed program:

- CP in Industrial Technology – Electrical
- CP in Industrial Technology – Machine Shop
- CP in Industrial Technology – Mechanical
- CP in Welding Technology – Basic Welding
- CP in Welding Technology – Construction Welding
- TC in Industrial Electricity
- TC in Industrial Maintenance Technology
- TC in Welding Technology
- AAS in General Technology

University of Arkansas – Fort Smith Bachelor Science in Biochemistry

Program Summary

The biochemistry program emphasizes chemical methodologies applied to molecular biology. Biochemistry students gain knowledge and develop analytical skills in intra- and intercellular chemistry, which demands an understanding of both chemistry and biology. This cross-disciplinary venture provides greater opportunity for employment or entry into post-baccalaureate programs such as graduate school or medical school. The variability with upper-level electives allows students to tune their undergraduate experience toward their future goals. While biology and chemistry remain traditional tracts for pre-professionals, it is expected that biochemistry will become the discipline of choice among these individuals.

At present no additions or modifications to current courses are required to accommodate the new degree. However, as with any science, future adjustments can be expected as the field grows and more knowledge is gained. No additional costs or resources are required. The program is developed from currently-existing courses. The Biology and Chemistry degrees will support this program.

**University of Arkansas at Little Rock
Bachelor of Fine Arts in Dance Performance**

Program Summary

The Bachelor of Fine Arts in Dance Performance is a four-year pre-professional degree. In keeping with the university's mission, this program will provide intensive training in dance technique, performance and choreography while offering a well-rounded education designed to develop thinking artists. This degree will serve to offer a degree in Dance in the State of Arkansas, filling a void that has caused many students to seek their degrees in other states. It will also provide a resource for dancers and dance educators in primary and secondary school programs and dance studios throughout the state.

The curriculum has been designed to integrate with the university's core curriculum while striving to meet the standards for a B.F.A. degree as constructed by the National Association of Schools of Dance.

The proposed B.F.A. in Dance Performance will complement the existing B.A. in Theatre by offering a wide array of courses open to Theatre majors (and the general student body), and by offering numerous opportunities for collaboration between the students and faculty in both Dance and Theatre. In turn, dance majors will have the opportunity to take courses in Theatre that complement their coursework in Dance.

Although most courses are being re-written to meet the standards of the National Association of Schools of Dance (NASD) and to conform to the structure used by most university dance programs, many of the basic course ideas already exist in the curriculum and are currently offered. With the addition of a few key courses, the proposed degree can begin immediately.

The decline and eventual suspension of the B.A. in Dance at UALR was based on a number of factors. In the late 1990s, due to the failing health of the tenured dance faculty in place, it became impossible to offer the full range of dance technique classes necessary to continue the major. As fewer technique courses were offered, numbers declined in the dance program. Additionally, Arkansas students interested in serious pre-professional training for their college dance education were seeking B.F.A. programs in neighboring states and across the country. While the B.A. program had flourished in the past, the cultural climate was changing, and the tenured dance faculty in place at UALR did not possess background or experience necessary to develop a new B.F.A. degree in Dance. In 1999, the department's B.A. in Dance was suspended, leaving a great void for the numerous Arkansas students interested in studying dance at the university level.

Even with the suspension of the B.A. in Dance, the dance minor continued to be offered and, as most of the original courses are still "on the books," a fundamental base for the new program exists in one form or another. The current curricular reconstruction is based on different educational objectives and revises and amplifies the original course offerings in history, kinesiology, pedagogy, technology, and musical research while supporting existing studio classes in ballet, modern, and jazz techniques. Attention has been paid to changes in the prefixes, course numbering, time and credit variables, repeatability, and periodicity, as well as the area's relationship to the baccalaureate in theatre.

Through a recent retirement and the restructuring of other faculty resources, the department has put in place two full-time dance faculty positions and an accompanist position in anticipation of the proposed B.F.A. in Dance Performance. With the recent hiring of our new dance area head, we have again been able to offer the technique courses needed for our dance minors, as well as the additional courses that will be part of the new B.F.A. curriculum. These classes have filled easily, and many have filled beyond capacity, even without the new degree yet in place.

One cost of starting the new B.F.A. in Dance will be the increase of the Ottenheimer Library's dance holdings. This entails a one-time expense to help bring the holdings up to date, and a relatively small annual budget to gradually increase the library's dance collection. Additional costs include recruitment and travel money. (See #10 – New Program Costs)

The facilities, including studio space, sound equipment, pianos, and the existing performance facilities, are already in place, and will be sufficient to house the new B.F.A. in Dance Performance. The existing degree program in Theatre serves to support the curricular and production needs of the proposed degree program. As stated earlier, with the addition of a few new courses, this B.F.A. in Dance Performance can begin immediately.

University of Arkansas at Little Rock Doctor of Philosophy in Criminal Justice

Program Summary

The Department of Criminal Justice, University of Arkansas at Little Rock proposes a doctoral program (PhD) in Criminal Justice. The program is created with the goal of increasing the number of doctorally trained graduates in criminal justice to meet increasing demand for academic teaching positions as well as policy and administrative leadership positions in the criminal justice field.

Admission to the program will require a master's degree and specific statistics and methodology courses at the master's level. Students in the doctoral program will be guided through an intense, supervised course of study in crime, the causes of criminal behavior, and governmental responses to crime. The program will provide students advanced academic training, strong methodological and statistical skills, and special expertise in the study of crime and justice. The program will require intensive work in qualitative and quantitative methods, statistical analysis, and research design. Graduates will understand the complex dynamics of crime and the criminal justice system in the U.S. and demonstrate expertise in research and the analysis of crime. Graduates of this program will serve as professors in universities, as researchers in non-profit and commercial organizations focusing in the broad area of crime and justice, and as researchers and supervisors in government agencies.

The curriculum includes 57 graduate semester hours divided into five sections: a) research design and statistical analysis, b) crime and justice, c) electives and specialization, d) research practicum, and e) dissertation. These courses combine to produce students who have mastered the theories of crime and justice and have demonstrated advanced skills in research and statistical analysis necessary to conduct research and inform policy and practice in both pure and applied research.

Courses will be drawn from existing Master of Arts courses in the UALR Department of Criminal Justice and new courses developed to represent a strong doctoral education. All courses will be taught in the classroom or in consultation with individual faculty; none will be taught on-line. Existing courses at the master's level will be enhanced and strengthened to make them appropriate for doctoral students. In addition to the Research Practicum and Dissertation courses, five new courses will be added for this doctoral program.

The Department possesses sufficient academic resources for a strong doctoral program. The range of faculty and research represents a unique advantage in providing students the skills and abilities they need to be successful in academic, research, and policy positions, both within Arkansas and across the U.S. The program will be supported by a strong undergraduate (BA) program and a Master of Arts program that has consistently enrolled about fifty students a year for over three decades. The doctoral program will also enhance economic development and governmental efficiency through the research and knowledge of a diverse faculty. Library holdings, equipment, and physical resources within the Department are sufficient to support both student and faculty needs with the exception of the addition of six offices for graduate assistants and furniture for those offices.

Institutional Certification Advisory Committee (ICAC) – April 2009

The following applications for certification will be reviewed by ADHE for possible consideration at the April 2009 ICAC quarterly meeting.

DeVry University, Naperville, Illinois

Initial Certification – Online

- Master of Science in Educational Technology
- Master of Science in Electrical Engineering
- Master of Business Administration
- Master of Accounting and Financial Management
- Master of Human Resource Management

Drury University, Springfield, Missouri

Initial Certification – Online

- Bachelor of Business Administration
- Bachelor of Science in Health Services
- Bachelor of Science in Instructional Technology
- Bachelor of Science in Organizational Studies

Excelsior College, Albany, New York

Recertification – Online

- Associate of Applied Science in Business
- Associate of Applied Science in Administrative/Management Studies
- Bachelor of Science in Accounting
- Bachelor of Science in General Business
- Bachelor of Liberal Arts
- Bachelor of Science in Management of Human Resources
- Bachelor of Science in Management Information Systems
- Bachelor of Science in Marketing
- Master of Business Administration

Franklin University, Columbus, Ohio

Initial Certification – Online

- Bachelor of Science in Public Relations
- Bachelor of Science in Operations and Supply

Recertification – Online

- Bachelor of Science in Accounting
- Bachelor of Science in Applied Management
- Bachelor of Science in Business Administration
- Bachelor of Science in Business Forensics
- Bachelor of Science in Computer Science
- Bachelor of Science in e-Marketing
- Bachelor of Science in Financial Management
- Bachelor of Science in Forensic Accounting
- Bachelor of Science in Healthcare Management
- Bachelor of Science in Human Resources Management
- Bachelor of Science in Information Technology
- Bachelor of Science in Management
- Bachelor of Science in Management Information Sciences
- Bachelor of Science in Marketing
- Bachelor of Science in Public Safety Management
- Bachelor of Science in Web Development

Kaplan University, Fort Lauderdale, Florida

Initial Certification – Online

Master of Science in Higher Education

Regis University, Denver, Colorado

Initial Certification – Online

Master of Science in Database Technologies

Master of Science in Information Assurance

Master of Science in Systems Engineering

Recertification – Online

Bachelor of Science in Accounting

Bachelor of Science in Business Administration

Bachelor of Science in Computer Networking

Bachelor of Science in Computer Science

Bachelor of Science in Finance

Remington College, Little Rock, Arkansas

Initial Certification

Associate of Applied Science in Paralegal

Strayer University, Arlington, Virginia

Initial Certification – Online

Bachelor of Business Administration

Bachelor of Science in Information Systems

Bachelor of Science in Professional Accounting

Master of Science in Accounting

Master of Business Administration

Strayer University, Arlington, Virginia

Initial Certification – New location in Little Rock, Arkansas

Bachelor of Business Administration

Bachelor of Science in Information Systems

Bachelor of Science in Professional Accounting

Master of Science in Accounting

Master of Business Administration

University of Phoenix, Phoenix, Arizona

Initial Certification – Online

Associate of Arts/Information Technology in Visual Communications

Doctor of Philosophy in Industrial/Organizational Psychology

Recertification – Online

Bachelor of Science in Communication

Bachelor of Science in Psychology

Bachelor of Science in Criminal Justice Administration

University of Phoenix – Little Rock, Arkansas

Recertification

Bachelor of Science in Communication

Bachelor of Science in Psychology

Bachelor of Science in Criminal Justice Administration

University of Phoenix – Rogers, Arkansas

Recertification

Bachelor of Science in Communication

Bachelor of Science in Psychology

Bachelor of Science in Criminal Justice Administration

Walden University, Minneapolis, Minnesota

Initial Certification – Online

- High-Tech Master of Business Administration
- Master of Public Health
- Master of Science in Computer Engineering
- Master of Science in Computer Science
- Master of Science in Electrical Engineering
- Master of Science in Engineering Management
- Master of Science in Psychology
- Doctor of Philosophy in Health Services
- Doctor of Philosophy in Human Services
- Doctor of Philosophy in Psychology
- Doctor of Philosophy in Public Health

Western Governors University, Salt Lake City, Utah

Initial Certification – Online

- Bachelor of Science in Finance

Pending Review by Arkansas State Board of Nursing

Excelsior College, Albany, New York

Initial Certification – Online

- Associate in Science in Nursing
- Associate in Applied Science in Nursing

Grand Canyon University, Phoenix, Arizona

Initial Certification – Online

- Bachelor of Science in Nursing (RN - BSN)
- Master of Science in Nursing – Nursing Education (RN - MSN)
- Master of Science in Nursing – Nursing Leadership in Health Care Systems (RN - MSN)
- Master of Science in Nursing – Nurse Education
- Master of Science in Nursing – Nursing Leadership in Health Care Systems

Regis University, Denver, Colorado

Recertification – Online

- Bachelor of Science in Nursing (RN – BSN completion)

Walden University, Minneapolis, Minnesota

Initial Certification – Online

- Master of Science in Nursing