CAPITAL FUNDING REQUEST

for the 2015 to 2017 BIENNIUM

UNIVERSITY OF ARKANSAS

April 7, 2014

INSTITUTIONAL PRIORITY RANKING
of 2015-2017 HIGHER EDUCATION BOND CAPITAL REQUESTS

University of Arkansas, Fayetteville

Rank	Project Name	Category	Total Cost	Other Funds	Total State Funding Requested
1	**KIMPEL HALL / CLASSROOM BLOCK**	Renovation	$ 9,559,758	$ -	$ 9,559,758
2	**SCIENCE BUILDING**	Renovation	$ 4,944,189	$ -	$ 4,944,189
3	**FINE ARTS CENTER**	Restoration/Reno	$ 20,823,165	$ -	$ 20,823,165
4	**LIBRARY OFFSITE STORAGE BUILDING**	New	$ 11,412,627	$ -	$ 11,412,627
5	**BUSINESS BUILDING / SYSTEMS RENEWAL**	Renovation	$ 10,746,788	$ -	$ 10,746,788
6	**HUMAN ENVIRONMENTAL SCIENCES BUILDING**	Restoration/Reno	$ 9,795,619	$ -	$ 9,795,619
7	**JOHN A WHITE JR ENGINEERING HALL**	Restoration/Addition	$ 19,580,820	$ -	$ 19,580,820
8	**MEMORIAL HALL**	Restoration/Reno	$ 16,845,092	$ -	$ 16,845,092
9	**MULLINS LIBRARY**	Renovation	$ 15,438,390	$ -	$ 15,438,390
10	**AGRICULTURE BUILDING**	Restoration/Reno	$ 18,721,361	$ -	$ 18,721,361
11	**NANOSCALE MATL SCI & ENG / THIRD FLR LAB BUILD OUT**	New (Interior Only)	$ 5,990,855	$ -	$ 5,990,855
	Total		**$ 143,858,665**	**$ -**	**$ 143,858,665**

Dr. G. David Gearhart, Chancellor

1. KIMPEL HALL / CLASSROOM BLOCK
RENOVATION

Description of Project
Kimpel Hall is composed of two wings: a 4-story classroom block connected at the elevators to a 7-story office tower. Originally called the Communications Center, the building was renamed in 1983 for Ben Drew Kimpel. Originally from Fort Smith, Kimpel was educated at Harvard University and at UNC Chapel Hill. He was professor of English at the University of Arkansas from 1952 to 1983, and was a widely respected scholar and linguist.

Kimpel Hall houses the departments of Communications, Drama, English, Foreign Languages, and Journalism. It is the most populated classroom building on campus, with 29,000 scheduled credit hours per semester. After over 40 years of heavy use, the building's systems, finishes, furnishings, and technology are in great need of refurbishment. In response, the University began to renovate the building in 2009 as funds became available. To date, two auditoria, the drama workroom, a black box theater, and 29 classrooms have been renovated using facility renewal and stewardship funds. An additional three classrooms will be renovated in the summer of 2014.

Funding this request would allow the university to complete the total renovation of the classroom block, including asbestos abatement and modernization of the remainder of the building interior (corridors, washrooms, and some offices). The exterior building envelope will also be renovated, including repointing (repairing the weathered joints in the brick) and replacing the single pane windows with insulated units. The roof was replaced 3-4 years ago, so it is not included in the estimates for this work. The project will be fully commissioned and constructed to the equivalent of LEED Silver or Green Globes Two Globes.

Pertinent Data

Historic Name:	Communications Center
Constructed:	1972, renamed 1983
Style:	Late Modernist
Size:	134,245 sf
Current Use:	Education and General
Proposed Use:	Education and General
% Auxiliary:	None
Replacement Costs:	Estimated at $51.15 million

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Construction Schedule
The estimated design and construction timeline is 28 months.
Estimated project costs factor construction beginning September 2016.

Plans Completed to Date
None.

History of Request
This is the second time this project has appeared in the biennium request.

KIMPEL HALL / CLASSROOM BLOCK

Estimated Project Costs

A.	Building Construction			$	6,366,000.00
B.	Built-in equipment			$	258,618.75
C.	Architectural and Engineering Fees			$	985,620.81
D.	Contingencies			$	1,218,929.85
E.	Other Costs				
	Advertising	$	500.00		
	Land & Right-of-Way	$	-		
	Surveys & Borings	$	147,213.75		
	Site Improvements				
	Utilities	$	19,893.75		
	Parking Lots	$	-		
	Telephone/Remote Utility Fees	$	65,637.50		
	Total Other Costs			$	233,245.00
F.	Movable Furniture and Equipment			$	497,343.75
	Total Estimated Project Costs			**$**	**9,559,758.16**

Project Funding Sources

	Source of Funds		Amount	Percent of Costs
A.	State Funds	$	-	0.00%
B.	Federal Funds	$	-	0.00%
C.	Private Gifts/Grants	$	-	0.00%
D.	Bond Proceeds	$	-	0.00%
E.	Auxiliary Funds	$	-	0.00%
F.	Other Funds	$	-	0.00%
	Total Funding	**$**	**9,559,758.16**	0.00%

Describe commitments or funds already collected to finance this project:

There are no existing funds available for this project.

2. SCIENCE BUILDING
RENOVATION

Description of Project
Constructed in 1968, the *Science Building* was the last of a series of four science and engineering buildings planned and constructed at roughly the same time. The building has been in general use as science teaching laboratories and office space since it opened.

The university has recently renewed all laboratories and building systems and has added the mechanical space necessary to accommodate modern equipment needs. Funding this request would allow the university to complete the total building renovation, including modernization of the remainder of the building interior (corridors, washrooms, and remaining offices). The exterior building envelope will also be renovated, including replacing and repairing the stucco finish where it has failed, replacing cracked or damaged slate, and replacing existing windows with insulated units. The roof was replaced in 2013/14, so it is not included in the estimates for this work. The project will be fully commissioned and constructed to the equivalent of LEED Silver or Green Globes Two Globes.

Pertinent Data

Historic Name:	Science Building "D"
Constructed:	1968
Style:	Brutalist
Size:	53,748 sf
Current Use:	Education and General
Proposed Use:	Education and General
% Auxiliary:	None
Replacement Costs:	Estimated at $22.14 million

Construction Schedule
The estimated design and construction timeline is 16 months.
Estimated project costs factor construction beginning May 2016.

Plans Completed to Date
None.

History of Request
This is the first time this project has appeared in the biennium request.

SCIENCE BUILDING

Estimated Project Costs

A.	Building Construction			$	3,500,000.00
B.	Built-in equipment			$	-
C.	Architectural and Engineering Fees			$	597,088.50
D.	Contingencies			$	645,750.00
E.	Other Costs				
	Advertising	$	500.00		
	Land & Right-of-Way	$	-		
	Surveys & Borings	$	-		
	Site Improvements	$	-		
	Utilities	$	-		
	Parking Lots	$	-		
	Telephone/Remote Utility Fees	$	25,850.00		
	Total Other Costs			$	26,350.00
F.	Movable Furniture and Equipment			$	175,000.00
	Total Estimated Project Costs			**$**	**4,944,188.50**

Project Funding Sources

	Source of Funds		**Amount**	**Percent of Costs**
A.	State Funds	$	-	0.00%
B.	Federal Funds	$	-	0.00%
C.	Private Gifts/Grants	$	-	0.00%
D.	Bond Proceeds	$	-	0.00%
E.	Auxiliary Funds	$	-	0.00%
F.	Other Funds	$	-	0.00%
	Total Funding	**$**	**4,944,188.50**	0.00%

Describe commitments or funds already collected to finance this project:

There are no existing funds available for this project.

3. FINE ARTS CENTER
RESTORATION and RENOVATION

Description of Project
The *Fine Arts Center*, originally known as the Fine Arts Building, was designed by Edward Durell Stone of New York, NY with Haralson & Mott of Fort Smith. It was funded in part by $1 million from the state. The building originally housed the fine and applied arts, architecture, dance, music, painting, sculpture, and drama.

The *Fine Arts Center* is currently at maximum capacity and many areas of focus have been cut in order to accommodate immediate needs. Printmaking and sculpture studios, technology areas, and graduate student studios, etc. are so outdated that departmental efforts to attract faculty and students are compromised. The basement of the building is not accessed by elevator or lift, so the photography lab cannot be accessed by handicapped students or faculty. In addition, shop space is confined, so power tools and equipment are being used in space that is undersized for the number of students. Electrical service is undersized, dust collection systems and spray booths are inadequate, and exhaust/ventilation/fresh air intake is problematic.

The International Style building, while a break with the architectural character of earlier campus buildings, continued the general arrangement, scale, and alignments laid out in the 1925 campus plan. The building is composed of wings of varying heights—one, two, and three stories—and has an asymmetrical plan with several main functions connected by an open, glass-walled gallery space. The structure is reinforced concrete with exterior walls of buff brick over block. (Interestingly, the original construction documents called for grey brick, which would have better matched the blue-grey Batesville limestone of earlier campus buildings.) The building has a flat, built-up roof with wide overhangs in several places. A thin concrete roof supported by round, Bauhaus-pink concrete columns forms a breezeway connecting the main entrance to the street. All of the building's doors and windows were originally slender steel units. While some of the steel awning windows remain on the studio wing, in other areas, such as the gallery, the windows and doors have been replaced with thicker aluminum storefront systems. Many significant changes have been made to the building since its construction. While some of these changes were necessary to improve the function of the building, they obscured, and in some cases destroyed, the integrity of the original design.

A total building restoration and renovation will bring original details back to this significant campus building, while bringing teaching environments to safe and modern levels. Recent upgrades in 2005 and 2008 made life safety improvements and added a welding shop for the university theater. The roof of the 3-story classroom wing will be replaced in 2014, and the roofs of the remaining roof sections will be sealed to extend their lives until they can be replaced. The *Fine Arts Center* is a Landmark contributing building to the University of Arkansas

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Campus Historic District, listed on the National Register of Historic Places in 2009. The project will be fully commissioned and constructed to the equivalent of LEED Silver or Green Globes Two Globes.

Pertinent Data

Historic Name:	Fine Arts Building
Constructed:	1951
Style:	International Style
Size:	116,915 sf
Current Use:	Education and General
Proposed Use:	Education and General
% Auxiliary:	None
Replacement Costs:	Estimated at $46.4 million

Construction Schedule
The estimated design and construction timeline is 28 months.
Estimated project costs factor construction beginning September 2016.

Plans Completed to Date
None.

History of Request
This is the second time this project has appeared in the biennium request.

FINE ARTS CENTER

Estimated Project Costs

A.	Building Construction			$	10,288,520.00
B.	Built-in equipment			$	1,549,123.75
C.	Architectural and Engineering Fees			$	2,281,933.84
D.	Contingencies			$	2,566,506.39
E.	Other Costs				
	Advertising	$	500.00		
	Land & Right-of-Way	$	-		
	Surveys & Borings	$	216,292.75		
	Site Improvements	$	1,894,023.00		
	Utilities	$	29,228.75		
	Parking Lots	$	-		
	Telephone/Remote Utility Fees	$	692,265.50		
	Total Other Costs			$	2,832,310.00
F.	Movable Furniture and Equipment			$	1,304,771.40
	Total Estimated Project Costs			**$**	**20,823,165.38**

Project Funding Sources

	Source of Funds		Amount	Percent of Costs
A.	State Funds	$	-	0.00%
B.	Federal Funds	$	-	0.00%
C.	Private Gifts/Grants	$	-	0.00%
D.	Bond Proceeds	$	-	0.00%
E.	Auxiliary Funds	$	-	0.00%
F.	Other Funds	$	-	0.00%
	Total Funding	**$**	**20,823,165.38**	0.00%

Describe commitments or funds already collected to finance this project:

There are no existing funds available for this project.

4. LIBRARY OFFSITE STORAGE BUILDING
NEW CONSTRUCTION

Description of Project
A new book and materials storage building would free space in the center of campus for a student study commons. (The request for the partial renovation of Mullins Library follows as priority number nine in this document.) A remote, yet easily accessible, site has been purchased with this use in mind.

A feasibility study identified the size of the collection to be stored, explored a range of possible storage systems, identified the building program and adjacencies, investigated possible construction types and layouts, and provided cost estimates and phasing plans. The consensus is to construct an economical, high-bay, offsite facility with fixed shelving that is 35 feet in height. Books will be barcoded, sorted by size, and stored in barcoded trays. The trays will be retrieved using a forklift picker. The shelving system requires little to no maintenance and has a lower cost than other high-density storage systems, while also allowing for flexibility. A vertical lift system would be considered for special collections.

The study looked at tilt-up concrete and metal building system construction methods, while citing the need to consider a structural system to withstand storm events. The project will be fully commissioned and constructed to the equivalent of LEED Silver or Green Globes Two Globes.

Pertinent Data

Historic Name:	N/A
Constructed:	New
Style:	N/A
Size:	20,000 sf
Current Use:	N/A
Proposed Use:	Education and General
% Auxiliary:	None
Replacement Costs:	N/A

Construction Schedule
The estimated design and construction timeline is 28 months.
Estimated project costs factor construction beginning September 2016.

Plans Completed to Date
A feasibility study was completed in 2013.

History of Request
This is the first time this project has appeared in the biennium request.

LIBRARY OFFSITE STORAGE BUILDING

Estimated Project Costs

A.	Building Construction			$	5,600,000.00
B.	Built-in equipment			$	210,000.00
C.	Architectural and Engineering Fees			$	1,092,177.00
D.	Contingencies			$	1,332,000.00
E.	Other Costs				
	Advertising	$	500.00		
	Land & Right-of-Way	$	-		
	Surveys & Borings	$	37,000.00		
	Site Improvements	$	384,000.00		
	Utilities	$	5,000.00		
	Parking Lots	$	-		
	Telephone/Remote Utility Fees	$	231,950.00		
	Total Other Costs			$	658,450.00
F.	Movable Furniture and Equipment			$	2,520,000.00
	Total Estimated Project Costs			**$**	**11,412,627.00**

Project Funding Sources

	Source of Funds		Amount	Percent of Costs
A.	State Funds	$	-	0.00%
B.	Federal Funds	$	-	0.00%
C.	Private Gifts/Grants	$	-	0.00%
D.	Bond Proceeds	$	-	0.00%
E.	Auxiliary Funds	$	-	0.00%
F.	Other Funds	$	-	0.00%
	Total Funding	**$**	**11,412,627.00**	0.00%

Describe commitments or funds already collected to finance this project:

There are no existing funds available for this project.

5. BUSINESS BUILDING / SYSTEMS RENEWAL

RENOVATION for the Sam M. Walton College of Business

Description of Project
Formerly called the Business Administration Building, the *Business Building* was designed by Wittenberg, Delony & Davidson and completed in 1977, when students moved to the new building from Ozark Hall in the historic core of campus. The *Business Building* was constructed near Kimpel Hall (formerly the Communications Center) in the district now known as McIlroy Hill. The Sam M. Walton College of Business occupies three buildings in the district.

After more than 30 years in service, the *Business Building* and Kimpel Hall still account for a good percentage of the campus' instructional space. While the structure itself is in decent condition, the building systems and interiors have received hard use and are in need of renewal. The Sam M. Walton College of Business continues to grow, and some reconfiguration of the existing space is necessary to accommodate that growth. Undergraduate Programs staff have outgrown their areas, student organization space is limited, and additional solutions are needed. Washrooms should be brought to current code and ADA requirements, and finishes upgraded to today's standards. Perhaps most critical to the curriculum is the replacement of the routers and switches which control the flow of digital information in the College. The project will be fully commissioned and constructed to the equivalent of LEED Silver or Green Globes Two Globes.

Pertinent Data

Constructed:	1977
Style:	Late Modernist
Size:	115,700
Current Use:	Education and General
Proposed Use:	Education and General
% Auxiliary:	None
Replacement Costs:	Estimated at $38.5 million

Construction Schedule
The estimated design and construction timeline is 28 months.
Estimated project costs factor construction beginning September 2016.

Plans Completed to Date
None.

History of Request
This is the third time this project has appeared in the biennium request.

BUSINESS BUILDING / SYSTEMS RENEWAL

Estimated Project Costs

A.	Building Construction			$	7,594,210.00
B.	Built-in equipment			$	-
C.	Architectural and Engineering Fees			$	1,156,203.20
D.	Contingencies			$	1,407,682.93
E.	Other Costs				
	Advertising	$	500.00		
	Land & Right-of-Way				
	Surveys & Borings	$	213,900.70		
	Site Improvements	$	86,716.50		
	Utilities	$	28,905.50		
	Parking Lots				
	Telephone/Remote Utility Fees	$	106,785.40		
	Total Other Costs			$	436,808.10
F.	Movable Furniture and Equipment			$	151,884.20
	Total Estimated Project Costs			**$**	**10,746,788.42**

Project Funding Sources

	Source of Funds		Amount	Percent of Costs
A.	State Funds	$	10,746,788.42	100.00%
B.	Federal Funds	$	-	0.00%
C.	Private Gifts/Grants	$	-	0.00%
D.	Bond Proceeds	$	-	0.00%
E.	Auxiliary Funds	$	-	0.00%
F.	Other Funds			0.00%
	Total Funding	**$**	**10,746,788.42**	100.00%

Describe commitments or funds already collected to finance this project:

There are no existing funds available for this project.

6. HUMAN ENVIRONMENTAL SCIENCES BUILDING
RESTORATION and RENOVATION

Description of Project
The *Human Environmental Sciences Building*, originally called the Home Economics Building, was built in 1940. The three-story building was constructed with a reinforced-concrete frame and load-bearing clay tile exterior walls faced with blue-grey Batesville limestone. It was designed by Haralson & Mott of Fort Smith with Mann & Wanger of Little Rock in the Collegiate Gothic style, and was one of the last buildings on campus to be built under the influence of the 1925 Plan, although at a much smaller scale and simpler in detail than originally conceived in the plan. In the early 1990's, the mechanical systems were overhauled and the original windows were replaced. In 1995, the name of the department was changed from Home Economics to the School of Human Environmental Sciences, although the original v-cut letters spelling out "Home Economics" above the front entrance remain.

A restoration and renovation of the building is required to modernize the 70+ year old classrooms and teaching laboratories and to update mechanical, electrical, and plumbing systems. The university has completed some work under an energy savings performance contract (ESPC), installed a new roof, and renovated (at least in part) some classrooms and teaching laboratories). Funding this request would complete all interior and exterior restoration and renovation work. The replacement windows, though energy-efficient, detract from the historic character of the building. In order to restore the historic appearance of this important campus building, new windows that meet the profile and fenestration patterns of the original will be evaluated for installation. The *Human Environmental Sciences Building* is a Landmark contributing building to the University of Arkansas Campus Historic District, listed on the National Register of Historic Places in 2009. The project will be fully commissioned and constructed to the equivalent of LEED Silver or Green Globes Two Globes.

Pertinent Data

Historic Name:	Home Economics Building
Constructed:	1940
Style:	Collegiate Gothic
Size:	33,400 sf
Current Use:	Education and General
Proposed Use:	Education and General
% Auxiliary:	None
Replacement Costs:	Estimated at $23.74 million

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Construction Schedule
The estimated design and construction timeline is 28 months.
Estimated project costs factor construction beginning September 2016.

Plans Completed to Date
None.

History of Request
This is the second time this project has appeared in the biennium request.

HUMAN ENVIRONMENTAL SCIENCES BUILDING

Estimated Project Costs

A.	Building Construction			$	5,510,175.00
B.	Built-in equipment			$	442,483.75
C.	Architectural and Engineering Fees			$	1,250,304.82
D.	Contingencies			$	1,212,138.32
E.	Other Costs				
	Advertising	$	500.00		
	Land & Right-of-Way	$	-		
	Surveys & Borings	$	61,780.75		
	Site Improvements	$	540,999.00		
	Utilities	$	8,348.75		
	Parking Lots	$	-		
	Telephone/Remote Utility Fees	$	216,201.50		
	Total Other Costs			$	827,830.00
F.	Movable Furniture and Equipment			$	552,687.25
	Total Estimated Project Costs			**$**	**9,795,619.13**

Project Funding Sources

	Source of Funds		Amount	Percent of Costs
A.	State Funds	$	-	0.00%
B.	Federal Funds	$	-	0.00%
C.	Private Gifts/Grants	$	-	0.00%
D.	Bond Proceeds	$	-	0.00%
E.	Auxiliary Funds	$	-	0.00%
F.	Other Funds	$	-	0.00%
	Total Funding	**$**	**9,795,619.13**	0.00%

Describe commitments or funds already collected to finance this project:

There are no existing funds available for this project.

7.

JOHN A WHITE JR ENGINEERING HALL
RESTORATION, RENOVATION, and ADDITION

Description of Project
Engineering Hall is part of the Collegiate Gothic architecture built at the UA from 1925-1940, and was listed on the National Register of Historic Places in 1992. Designed by Jamieson & Spearl, architects of the 1925 master plan, the building embodies their vision for a dignified campus, tied to the long traditions of Oxford and Cambridge. The building is constructed of reinforced masonry and Batesville limestone ashlar with Bedford white limestone moldings. With one of the most well-designed facades of any of the 1920's campus buildings, including a rusticated plinth, Doric pilasters, and cartouches with the University seal, its high historical and architectural value calls for restoration. In particular, the inappropriate windows installed in an attempt to upgrade the building should be evaluated for replacement with historically-correct steel casement windows that meet current energy requirements. *Engineering Hall* is a Landmark contributing building to the University of Arkansas Campus Historic District. The district was listed on the National Register of Historic Places in 2009.

The planned construction of additional engineering facilities across Dickson Street will necessitate reconfigured pedestrian crossings to increase safety. The new building(s) and crossings will refocus attention on the south façade of *Engineering Hall*, which is currently used mainly for loading and deliveries. Also contributing to this façade will be an addition to complete the missing west wing of the building, which could include classrooms, teaching and research labs, and offices. The project will be fully commissioned and constructed to the equivalent of LEED Silver or Green Globes Two Globes.

In 2013, the university invested $4.35 million (total project cost) in a renovation of the first floor for the biomedical engineering department. The roof was also recently replaced.

Pertinent Data

Constructed:	1927 with 1950 matching addition
Style:	Collegiate Gothic / Classical Revival
Size:	58,511 sf + 11,265 sf addition (3755 sf on 3 floors)
Current Use:	Education and General
Proposed Use:	Education and General
% Auxiliary:	None
Replacement Costs:	Estimated at $41.6 million

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Construction Schedule
The estimated design and construction timeline is 28 months.
Estimated project costs factor construction beginning September 2016.

Plans Completed to Date
A planning study for the entire building and addition was completed in 2012. The design team would move forward with the design and construction documents, based on this planning study, if the project were funded.

History of Request
This is the fifth time this project has appeared in the biennium request.

JOHN A WHITE JR ENGINEERING HALL

Estimated Project Costs

A.	Building Construction			$	10,591,600.00
B.	Built-in equipment			$	1,072,115.50
C.	Architectural and Engineering Fees			$	2,136,930.45
D.	Contingencies			$	2,526,264.19
E.	Other Costs				
	Advertising	$	500.00		
	Land & Right-of-Way				
	Surveys & Borings	$	113,425.35		
	Site Improvements	$	1,125,056.85		
	Utilities	$	661,311.00		
	Parking Lots				
	Telephone/Remote Utility Fees	$	564,546.15		
	Total Other Costs			$	2,464,839.35
F.	Movable Furniture and Equipment			$	789,070.59
	Total Estimated Project Costs			**$**	**19,580,820.08**

Project Funding Sources

	Source of Funds		Amount	Percent of Costs
A.	State Funds	$	19,580,820.08	100.00%
B.	Federal Funds	$	-	0.00%
C.	Private Gifts/Grants	$	-	0.00%
D.	Bond Proceeds	$	-	0.00%
E.	Auxiliary Funds	$	-	0.00%
F.	Other Funds			0.00%
	Total Funding	**$**	**19,580,820.08**	100.00%

Describe commitments or funds already collected to finance this project:

There are no existing funds available for this project.

8. MEMORIAL HALL
RESTORATION and RENOVATION

Description of Project

Memorial Hall was built in 1940 as the university's first student union. Funds raised from a $2.00 student fee and an annual operating fee were used to match a PWA grant and loan to construct the original building. The three-story structure, designed by Haralson & Mott of Fort Smith with Mann & Wanger of Little Rock, is a mix of Collegiate Gothic, Classical Revival, and Art Deco styles. The front entrance, flanked by two geometric towers, and the lobby and main stair most strongly exhibit Art Deco influences, while the monumental arched windows of the ballroom and the north arcade are clearly Classical Revival. In the mid-1970s, the building was significantly altered by the original architectural firm. The most disruptive change was the insertion of a mezzanine in the large double-height ballroom. Today, Memorial Hall houses administrative offices and classrooms/ studios for the Psychology and Landscape Architecture programs and Air Force ROTC. The building was listed on the National Register of Historic Places in 1992.

Memorial Hall is a Landmark contributing building to the University of Arkansas Campus Historic District. The district was listed on the National Register of Historic Places in 2009. The exterior restoration of *Memorial Hall* has been funded in three phases through the Arkansas Natural and Cultural Resources Council (ANCRC), university matching funds, and stimulus (ARRA) funds. The work included a new roof, restoring and replacing damaged stone steps, cleaning and repointing stone walls and trim, restoring the stone towers, restoring the side arcade and balustrade, repairing steel windows, refinishing wood doors, and restoring historic light fixtures. Funding this request would allow for complete restoration and renovation of the building interior, including restoring the historic ballroom for classes and special events. The project will be fully commissioned and constructed to the equivalent of LEED Silver or Green Globes Two Globes.

Pertinent Data

Historic Name:	Student Union / Futrall Memorial Hall
Constructed:	1940, renovated in 1947, 1949, and 1975
Style:	Collegiate Gothic / Classical Revival / Art Deco
Size:	59,750 sf
Current Use:	Education and General
Proposed Use:	Education and General
% Auxiliary:	None
Replacement Costs:	Estimated at $42.46 million

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Construction Schedule
The estimated design and construction timeline is 28 months.
Estimated project costs factor construction beginning September 2016.

Plans Completed to Date
None.

History of Request
This is the second time this project has appeared in the biennium request.

MEMORIAL HALL

Estimated Project Costs

A.	Building Construction		$	9,559,840.00
B.	Built-in equipment		$	791,675.00
C.	Architectural and Engineering Fees		$	2,027,235.00
D.	Contingencies		$	2,113,055.00
E.	Other Costs			
	Advertising	$ 500.00		
	Land & Right-of-Way	$ -		
	Surveys & Borings	$ 35,580.00		
	Site Improvements	$ 967,935.00		
	Utilities	$ 14,937.00		
	Parking Lots	$ -		
	Telephone/Remote Utility Fees	$ 366,400.00		
	Total Other Costs		$	1,385,352.00
F.	Movable Furniture and Equipment		$	967,935.00
	Total Estimated Project Costs		**$**	**16,845,092.00**

Project Funding Sources

	Source of Funds	Amount	Percent of Costs
A.	State Funds	$ -	0.00%
B.	Federal Funds	$ -	0.00%
C.	Private Gifts/Grants	$ -	0.00%
D.	Bond Proceeds	$ -	0.00%
E.	Auxiliary Funds	$ -	0.00%
F.	Other Funds	$ -	0.00%
	Total Funding	**$ 16,845,092.00**	0.00%

Describe commitments or funds already collected to finance this project:

There are no existing funds available for this project.

9. MULLINS LIBRARY
RENOVATION

Description of Project
Mullins Library opened in 1968 in a building just west of Vol Walker Hall, the original home of the university library. Its construction was part of an expansion of the campus that occurred in the late sixties, which moved the focus of the University away from Old Main. The building was later named for David W. Mullins, president of the University from 1960 to 1974. Approximately 75,000 sf of the original building was remodeled in conjunction with the eastern addition in 1997. The remaining square footage is scheduled to be remodeled eventually, with approximately thirty percent of the total anticipated in this phase of construction.

Located in the University of Arkansas Campus Historic District, listed on the National Register of Historic Places in 2009, the Library is a central element of the University's vision for academic excellence. Enhancing student-centered space in the academic core of the campus will embody this vision and achieve this mission: *"To build for the University a collaborative and interdisciplinary community that nurtures and inspires student-centered learning, creativity, and engagement."* This mission statement has guided decisions about program adjacencies and initial building concepts (see *Plans Completed to Date*, below.) As envisioned, the total project will set a high standard for appealing and accessible space in which to strengthen the university community. The redesign will encourage students to take advantage of the Library's resources from their earliest days on campus. A purpose-built space for public events will enhance library programming and will help meet campus needs for such space in the central campus.

Funding this project will renovate approximately one-third of the space in the existing library. The university is seeking a transformational gift in the new capital campaign to accomplish the rest of the work. The project will be fully commissioned and constructed to the equivalent of LEED Silver or Green Globes Two Globes.

Pertinent Data

Constructed:	1968
Style:	Brutalist
Size:	69,260 sf this project / 232,970 sf total existing building
Current Use:	Education and General
Proposed Use:	Education and General
% Auxiliary:	None
Replacement Costs:	Estimated at $98.8 million

(CONTINUED)

Construction Schedule
The estimated design and construction timeline is 28 months.
Estimated project costs factor construction beginning September 2016.

Plans Completed to Date
In 2009, the University hired a programming consultant to evaluate the existing building and to develop a full program for *Mullins Library* that best serves the academic and strategic goals of the institution. The existing building analysis, detailed programming, preliminary design, and cost projections are complete.

The consultants returned in 2012 with a new charge: to explore the potential of an offsite storage facility to free space in the Library for new programs and student use. (See priority item four in this request.) The study included the feasibility of the offsite storage building, space in the library to be renovated first, a second "transformational phase," and future expansion opportunities at both sites. The study was completed in early 2013.

History of Request
Library reconfiguration, in general, has been needed for many years, and the 1997 expansion was only sufficient to accommodate approximately ten years of University growth. This is the seventh time this project has appeared in the biennium request.

MULLINS LIBRARY

Estimated Project Costs

A.	Building Construction			$	10,735,300.00
B.	Built-in equipment			$	363,615.00
C.	Architectural and Engineering Fees			$	1,563,298.27
D.	Contingencies			$	2,054,940.21
E.	Other Costs				
	Advertising	$	500.00		
	Land & Right-of-Way				
	Surveys & Borings	$	128,131.00		
	Site Improvements	$	346,300.00		
	Utilities	$	17,315.00		
	Parking Lots				
	Telephone/Remote Utility Fees	$	123,991.00		
	Total Other Costs			$	616,237.00
F.	Movable Furniture and Equipment			$	105,000.00
	Total Estimated Project Costs			**$**	**15,438,390.48**

Project Funding Sources

	Source of Funds		Amount	Percent of Costs
A.	State Funds	$	15,438,390.48	100.00%
B.	Federal Funds	$	-	0.00%
C.	Private Gifts/Grants	$	-	0.00%
D.	Bond Proceeds	$	-	0.00%
E.	Auxiliary Funds	$	-	0.00%
F.	Other Funds			0.00%
	Total Funding	**$**	**15,438,390.48**	100.00%

Describe commitments or funds already collected to finance this project:

There are no existing funds available for this project.

10. AGRICULTURE BUILDING
RESTORATION and RENOVATION

Description of Project
The *Agriculture Building* was designed by Jamieson & Spearl of St. Louis, Missouri with H. Ray Burks of Little Rock in the Collegiate Gothic style. The plan of the building is an "I" shape, with one wing longer than the other in anticipation of future construction based on the 1925 Plan. The three-story building was constructed with a reinforced-concrete frame and load-bearing clay-tile exterior walls faced with blue-grey Batesville limestone. Significant exterior features include a front entrance with classical aedicule framed by Gothic octagonal towers, pilasters at building corners, crenellated stone parapet, classical cornice, pronounced water table, plaques with high-relief sculptures of the university seal, etc. Changes to the building include the replacement of all original windows in 1993, the addition of a glass skywalk connecting to the Plant Sciences Building in 1978, and mechanical systems renovations in the early 1990s.

While structurally intact, the *Agriculture Building* requires modernization of its mechanical, electrical, and plumbing systems. The replacement windows, though energy-efficient, detract from the historic character of the building. In order to restore the historic appearance of this important campus building, new windows that meet the profile and fenestration patterns of the original will be evaluated for installation. The *Agriculture Building* is a Landmark contributing building to the University of Arkansas Campus Historic District, listed on the National Register of Historic Places in 2009. The project will be fully commissioned and constructed to the equivalent of LEED Silver or Green Globes Two Globes.

Pertinent Data

Constructed:	1927
Style:	Collegiate Gothic
Size:	52,415 sf
Current Use:	Education and General
Proposed Use:	Education and General
% Auxiliary:	None
Replacement Costs:	Estimated at $37.27 million

Construction Schedule
The estimated design and construction timeline is 28 months.
Estimated project costs factor construction beginning September 2016.

Plans Completed to Date
None.

History of Request
This is the second time this project has appeared in the biennium request.

AGRICULTURE BUILDING

Estimated Project Costs

A.	Building Construction			$	11,111,980.00
B.	Built-in equipment			$	694,498.75
C.	Architectural and Engineering Fees			$	2,229,200.24
D.	Contingencies			$	2,361,458.24
E.	Other Costs				
	Advertising	$	500.00		
	Land & Right-of-Way	$	-		
	Surveys & Borings	$	96,967.75		
	Site Improvements	$	849,123.00		
	Utilities	$	13,103.75		
	Parking Lots	$	-		
	Telephone/Remote Utility Fees	$	324,615.50		
	Total Other Costs			$	1,284,310.00
F.	Movable Furniture and Equipment			$	1,039,913.60
	Total Estimated Project Costs			**$**	**18,721,360.83**

Project Funding Sources

	Source of Funds		Amount	Percent of Costs
A.	State Funds	$	-	0.00%
B.	Federal Funds	$	-	0.00%
C.	Private Gifts/Grants	$	-	0.00%
D.	Bond Proceeds	$	-	0.00%
E.	Auxiliary Funds	$	-	0.00%
F.	Other Funds	$	-	0.00%
	Total Funding	**$**	**18,721,360.83**	0.00%

Describe commitments or funds already collected to finance this project:

There are no existing funds available for this project.

11. NANOSCALE MATERIAL SCIENCE & ENGINEERING BUILDING / THIRD FLOOR LABORATORY BUILD OUT

NEW CONSTRUCTION (INTERIOR)

Description of Project

The *Nanoscale Material Science and Engineering Building* provides standard and specialized wet/dry laboratories, offices, and support functions for the College of Engineering; the J. William Fulbright College of Arts & Sciences; and the Dale Bumpers College of Agricultural, Food, and Life Sciences. The facility is a highly flexible structure that can readily accommodate programmatic change. Due to budget constraints, the space allocated for the cleanroom, as well as the entire third floor of the building, was left as unfinished, shelled space until such time as funds become available to complete the work. The building itself was fully commissioned and has achieved LEED Gold certification.

Third Floor

The third floor is envisioned to emulate the second floor configuration of wet labs, support spaces, and offices. The support spaces and offices have been outfitted with $1.9 million in GIF. Funding this request would allow the completion of the wet labs, but not the cleanroom and its associated mechanical equipment. Wet laboratories are characterized by a greater need for casework and fewer large instruments than the materials development labs, hazardous materials usage, and a relatively high exhaust demand. The wet labs include several support modules, each housing a unique function such as radioisotope usage, cell culture, or protein purification. The wet labs are located on the second and third floors for access to natural light and views as well as to group the highest exhaust demands.

Note: This request does not include the work necessary to complete the cleanroom on the second floor and the requisite mechanical equipment space on the floor above.

Pertinent Data

Constructed:	2011
Size:	Total building - 41,770 sf
	Third floor - 17,000 sf / This portion - 6,790 sf
Current Use:	None (unfinished space)
Proposed Use:	Education and General
% Auxiliary:	None
Replacement Costs:	$7.88 million

Construction Schedule

The estimated design and construction timeline is 18 months.
Estimated project costs factor construction beginning September 2016.

Plans Completed to Date

Construction documents are complete.

(CONTINUED)

History of Request
This is the third time individual projects within the *Nanoscale Material Science and Engineering Building* have been included in the biennium request. The entire building appeared in two previous requests as the #1 ranked project.

NANOSCALE MATERIAL SCI & ENG / THIRD FLOOR LAB BUILD OUT

Estimated Project Costs

A.	Building Construction			$	3,900,000.00
B.	Built-in equipment			$	-
C.	Architectural and Engineering Fees			$	572,150.00
D.	Contingencies			$	736,430.00
E.	Other Costs				
	Advertising	$	500.00		
	Land & Right-of-Way				
	Surveys & Borings	$	-		
	Site Improvements	$	-		
	Utilities				
	Parking Lots				
	Telephone/Remote Utility Fees	$	535,850.00		
	Total Other Costs			$	536,350.00
F.	Movable Furniture and Equipment			$	245,925.00
	Total Estimated Project Costs			**$**	**5,990,855.00**

Project Funding Sources

	Source of Funds		Amount	Percent of Costs
A.	State Funds	$	5,990,855.00	100.00%
B.	Federal Funds	$	-	0.00%
C.	Private Gifts/Grants	$	-	0.00%
D.	Bond Proceeds	$	-	0.00%
E.	Auxiliary Funds	$	-	0.00%
F.	Other Funds			0.00%
	Total Funding	**$**	**5,990,855.00**	100.00%

Describe commitments or funds already collected to finance this project:

There are no existing funds available for this project.