

Draft Campaign Priorities

Funding Opportunity	Priority	Number	Campaign Pillar	Unit	Fund Type	Project Cost	Funding Goal	Funding Per	Gift Officer
Fletcher Hall Renovations (many)			Culture	Arts	Capital	\$ 3,000,000			
Angelle Hall Renovations (many)			Culture	Arts	Capital	\$ 2,000,000			
Scholarship Endowments - all departments			Student Support	Arts	Endowment	\$ 1,500,000			
Interdisciplinary Fellowship		1	Culture	Arts	Endowment	\$ 1,000,000			
Endowed Chair in Music		1	Culture	Arts	Endowment	\$ 1,000,000			
Equipment Endowment for Visual Arts			Culture	Arts	Endowment	\$ 1,000,000			
Endowed Chair in Architecture			Energy & Sustainability	Arts	Endowment	\$ 1,000,000			
Professorships - all departments			Research	Arts	Endowment	\$ 600,000			
Fletcher Hall Endowment			Culture	Arts	Endowment	\$ 500,000			
Angelle Hall Endowment			Culture	Arts	Endowment	\$ 500,000			
Football Stadium		1	Athletics	Athletics	Capital	\$ 60,000,000			
Baseball Clubhouse			Athletics	Athletics	Capital				
Tennis Facilities			Athletics	Athletics	Capital				
Volleyball Facilities			Athletics						
Scholarship Endowments			Athletics	Athletics	Endowment	\$ 5,000,000			
Coaching Endowments			Athletics	Athletics	Endowment	\$ 5,000,000			
Programming Endowments			Athletics	Athletics	Endowment	\$ 5,000,000			
TBD				Alumni					
Hospitality Teaching & Lab Building	Entrepreneurship/Hospitality			Business	Capital	\$ 10,000,000			
Accounting Department Endowment	Accounting			Business	Endowment	\$ 5,000,000			
Maraist Finance Lab Endowment	Finance Lab			Business	Endowment	\$ 4,000,000			
Hospitality Teaching & Lab Building Endowment	Entrepreneurship/Hospitality		Culture	Business	Endowment	\$ 2,000,000			
Entrepreneurship Clinic Director Stipend (Chair?)	Entrepreneurship/Hospitality		Culture	Business	Endowment	\$ 1,000,000			
Institute for the Study of Louisiana Cuisine (chair?)	Entrepreneurship/Hospitality		Culture	Business	Endowment	\$ 1,000,000			
Invited Entrepreneur Series	Entrepreneurship/Hospitality		Culture	Business	Endowment	\$ 500,000			
Software & Techonology (Entrepreneurship)	Entrepreneurship/Hospitality		Culture	Business	Endowment	\$ 500,000			
Center for Energy Business Development Endowments			Energy & Sustainability	Business	Endowment	\$ 500,000			
Entrepreneurship Clinic Student Fellows Stipend	Entrepreneurship/Hospitality	2	Culture	Business	Endowment	\$ 200,000	\$ 100,000		
Pop-up Restaurant Funding	Entrepreneurship/Hospitality		Entrepreneurship	Business	Endowment	\$ 200,000			
Pitch Competition Prizes	Entrepreneurship/Hospitality		Culture	Business	Endowment	\$ 200,000			
Entrepreneurship Clinic Faculty Stipend (Prof?)	Entrepreneurship/Hospitality		Entrepreneurship	Business	Endowment	\$ 100,000			
Restaurant Director Stipend (Prof?)	Entrepreneurship/Hospitality		Culture	Business	Endowment	\$ 100,000			
Center for Energy Business Development Lab			Energy & Sustainability	Business	Capital	\$ 100,000			
Entrepreneurship Clinic	Entrepreneurship/Hospitality		Entrepreneurship	Business	Endowment				
TBD			Student Support	Diversity					
Lab School Building K-8		1	Student Support	Education	Capital	\$ 20,000,000	\$ 5,000,000		
Lab School Building 9-12		1	Student Support	Education	Capital	\$ 15,000,000			
Lab School Building K-8 Endowment		1	Student Support	Education	Endowment	\$ 2,000,000			
Lab School Building 9-12 Endowment		1	Student Support	Education	Endowment	\$ 2,000,000			
Endowed Chair in Energy STEM Studies			Energy & Sustainability	Education	Endowment	\$ 1,000,000			
Environmental Chamber	Kinesiology	1		Education	Capital	\$ 200,000			
Digital PCR & BIOPAC Sytems	Kinesiology			Education	Capital	\$ 125,000			
Physiology Lab with Psychology	Kinesiology	1		Education	Capital	\$ 100,000			
Counseling Office & Classroom Space & Technology	Counseling			Education					
New Engineering Classroom Building				Engineering	Capital	\$ 60,000,000			
Energy Institute Facilities			Energy & Sustainability	Engineering	Capital	\$ 14,000,000			
Madison Hall Renovation (Overall - Not Eng Labs)				Engineering	Capital	\$ 10,000,000			
Energy Institute Endowment			Energy & Sustainability	Engineering	Endowment	\$ 7,000,000			
New Engineering Classroom Building Endowment				Engineering	Endowment	\$ 5,000,000			
Faculty Development Funds - all depts		5		Engineering	Endowment	\$ 5,000,000	\$ 1,000,000		
Equipment Purchase Funds -all depts		5		Engineering	Endowment	\$ 5,000,000	\$ 1,000,000		
Student Activity Support Funds - all depts		5		Engineering	Endowment	\$ 5,000,000	\$ 1,000,000		

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Funding Opportunity	Priority	Number	Campaign Pillar	Unit	Fund Type	Project Cost	Funding Goal	Funding Per	Gift Officer
Center for Energy Efficiency & Sustainable Energy Labs			Energy & Sustainability	Engineering	Capital	\$ 5,000,000			
Center for Environmental Protection Labs			Energy & Sustainability	Engineering	Capital	\$ 4,000,000			
Civil Engineering Chair		2		Engineering	Endowment	\$ 3,000,000		\$ 1,500,000	
ECEE Endowed Chairs		2		Engineering	Endowment	\$ 3,000,000		\$ 1,500,000	
Industrial Technology Chairs		2		Engineering	Endowment	\$ 3,000,000		\$ 1,500,000	
Mechanical Endowed Chairs		2		Engineering	Endowment	\$ 3,000,000		\$ 1,500,000	
Center for Optimization of Petroleum Systems			Energy & Sustainability	Engineering	Capital	\$ 2,500,000			
Mechanical Robotics R&D Lab				Engineering	Capital	\$ 2,000,000			
Mechanical Biomechanical/Artificial Heart Lab				Engineering	Capital	\$ 2,000,000			
Petroleum Engineering Endowed Chair for Research			Energy & Sustainability	Engineering	Endowment	\$ 2,000,000			
Chemical Engineering Endowed Chair for Research			Energy & Sustainability	Engineering	Endowment	\$ 2,000,000			
Energy Institute Graduate Student Endowment			Energy & Sustainability	Engineering	Endowment	\$ 2,000,000			
Center for Optimization of Petroleum Systems			Energy & Sustainability	Engineering	Endowment	\$ 2,000,000			
Renewable Chemicals & Fuels Development Labs			Energy & Sustainability	Engineering	Capital	\$ 2,000,000			
Center for Energy Efficiency & Sustainable Energy Endowments			Energy & Sustainability	Engineering	Endowment	\$ 2,000,000			
Civil Large Scale Testig Facility		1		Engineering	Capital	\$ 1,500,000			
Mechanical HVAC Testing Lab				Engineering	Capital	\$ 1,500,000			
Petroleum Engineering Endowed Graduate Assistantships			Energy & Sustainability	Engineering	Endowment	\$ 1,500,000			
Chemical Engineering Endowed Graduate Assistantships			Energy & Sustainability	Engineering	Endowment	\$ 1,500,000			
Center for Environmental Protection Endowments			Energy & Sustainability	Engineering	Endowment	\$ 1,500,000			
Energy Institute K-12 Initiatives			Energy & Sustainability	Engineering	Endowment	\$ 1,350,000			
Energy Institute Analytics Lab			Energy & Sustainability	Engineering	Capital	\$ 1,200,000			
Madison Hall Renovation (Overall) Endowment				Engineering	Endowment	\$ 1,000,000			
Industrial Technology Graduate Fellowships				Engineering	Endowment	\$ 1,000,000			
Mechanical Graduate Student Fellowships				Engineering	Endowment	\$ 1,000,000			
Petroleum Engineering Endowed Chair for Dept Head			Energy & Sustainability	Engineering	Endowment	\$ 1,000,000			
Petroleum Engineering Endowed Student Support Fund			Energy & Sustainability	Engineering	Endowment	\$ 1,000,000			
Petroelum Engineering Lab Equipment			Energy & Sustainability	Engineering	Capital	\$ 1,000,000			
Endowed Chair in Power Systems (EECE)			Energy & Sustainability	Engineering	Endowment	\$ 1,000,000			
Endowed Chair in Energy Systems (CHEE)			Energy & Sustainability	Engineering	Endowment	\$ 1,000,000			
Chemical Engineering Endowed Chair for Dept Head			Energy & Sustainability	Engineering	Endowment	\$ 1,000,000			
Chemical Engineering Endowed Student Support Fund			Energy & Sustainability	Engineering	Endowment	\$ 1,000,000			
Chemical Engineering Lab Equipment			Energy & Sustainability	Engineering	Capital	\$ 1,000,000			
Energy Institute Process Development Lab			Energy & Sustainability	Engineering	Capital	\$ 1,000,000			
Renewable Chemicals & Fuels Development Endowment			Energy & Sustainability	Engineering	Endowment	\$ 1,000,000			
Student Org Design Studios		4		Engineering	Capital	\$ 500,000		\$ 125,000	
Industrial Technology Undergraduate Scholarships				Engineering	Endowment	\$ 500,000			
Petroleum Materials Testing Lab				Engineering	Capital	\$ 500,000			
Petroelum Engineering Lab Renovations			Energy & Sustainability	Engineering	Capital	\$ 500,000			
Chemical Engineering Lab Renovations			Energy & Sustainability	Engineering	Capital	\$ 500,000			
Endowed Professorships in Energy Studies			Energy & Sustainability	Engineering	Endowment	\$ 500,000			
Endowed Fellowships in Energy Studies			Energy & Sustainability	Engineering	Endowment	\$ 500,000			
Engienering Leadership Program		1		Engineering	Endowment	\$ 350,000			
Petroleum Visualization Lab				Engineering	Capital	\$ 300,000			
Chemical Unit Operations Lab				Engineering	Capital	\$ 300,000			
Industrial Technology Manufacturing Lab				Engineering	Capital	\$ 250,000			
Civil Environmental Lab		1		Engineering	Capital	\$ 200,000			
Mechanical Energy Services lab				Engineering	Capital	\$ 200,000			
Petroleum Drilling Simulations Lab				Engineering	Capital	\$ 200,000			
Industrial Technology Controls Lab				Engineering	Capital	\$ 175,000			
Civil Materials Lab		1		Engineering	Capital	\$ 150,000			
ECEE Satellite Development Lab		1		Engineering	Capital	\$ 150,000			

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Funding Opportunity	Priority	Number	Campaign Pillar	Unit	Fund Type	Project Cost	Funding Goal	Funding Per	Gift Officer
ECEE Robotics Lab		1		Engineering	Capital	\$ 150,000			
ECEE Controls Lab		1		Engineering	Capital	\$ 150,000			
Mechanical Robotics Testing Lab				Engineering	Capital	\$ 150,000			
Chemical Fuels Development Lab				Engineering	Capital	\$ 150,000			
Chemical Materials Development Lab				Engineering	Capital	\$ 150,000			
ECEE Circuits Lab		1		Engineering	Capital	\$ 100,000			
Industrial Technology Robotics Lab				Engineering	Capital	\$ 100,000			
Griffin House Renovation	Community Interface and Dev	1	Culture	Liberal Arts	Capital	\$ 1,600,000			
Center for Energy Policy & Social Impacts Endowments			Energy & Sustainabili	Liberal Arts	Endowment	\$ 1,500,000			
Roy House Renovation	Community Interface and Dev	1	Culture	Liberal Arts	Capital	\$ 1,000,000			
Endowed Chair in Industrial Sociology			Energy & Sustainabili	Liberal Arts	Endowment	\$ 1,000,000			
Center for Energy Policy & Social Impacts Lab			Energy & Sustainabili	Liberal Arts	Capital	\$ 500,000			
Griffin House Programming	Community Interface and Dev	1	Culture	Liberal Arts	Project				
Social Sciences Testing and Data				Liberal Arts	Project				
Speech & Hearing Clinic Labs				Liberal Arts	Capital				
Speech & Hearing Clinic Operating Endowment				Liberal Arts	Endowment				
Scholarship Endowment - all departments				Liberal Arts	Endowment				
Professorships - most departments				Liberal Arts	Endowment				
Blanco Public Policy Center				Liberal Arts	Capital	\$ 750,000			
Broadcasting Television Studio				Liberal Arts	Capital	\$ 800,000			
Moving Image Arts Studio				Liberal Arts	Capital	\$ 500,000			
Social Sciences Teaching Tools Fund				Liberal Arts	Endowment	\$ 500,000			
FLIP Internship Program				Liberal Arts	Endowment	\$ 100,000			
Flexible Classrooms				Liberal Arts	Capital	\$ 50,000			
Faculty Conference & Research Travel				Liberal Arts	Endowment	\$ 250,000			
TBD				Libraries					
Town Building Renovation				Museum	Capital				
Facilities Endowment				Museum	Endowment				
Education Program Endowment				Museum	Endowment				
Research Recruitment Endowment	Research Mission	1		Nursing	Endowment	TBD	TBD	TBD	
Research Lecture Series Endowment	Research Mission	1		Nursing	Endowment	TBD	TBD	TBD	
Endowed Chairs	Research Mission	2		Nursing	Endowment	\$ 2,000,000	\$ 2,000,000	\$ 1,000,000	
Scholarship Endowment	Expansion/Creation	1		Nursing	Endowment	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	
Endowed Student Abroad Fund	Recruitment	1		Nursing	Endowment	\$ 1,500,000	\$ 1,500,000	\$ 1,500,000	
Skills & Simulation Labs	Expansion/Creation	TBD		Nursing	TBD	\$ 1,500,000	\$ 1,500,000	TBD	
Endowed Fellowships	Recruitment	10		Nursing	Endowment	\$ 1,000,000			
Student Presentation & Conference Endowment	Expansion/Creation	1		Nursing	Endowment	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	
Endowed Professorships	Research Mission	7		Nursing	Endowment	\$ 700,000	\$ 700,000	\$ 100,000	
Endowed Travel Fund	Recruitment	1		Nursing	Endowment	\$ 500,000	\$ 500,000	\$ 500,000	
Endowed Chairs Stipends	Research Mission	2		Nursing	Project	\$ 400,000	\$ 400,000	\$ 200,000	
Professorship Stipends	Research Mission	7		Nursing	Project	\$ 140,000	\$ 140,000	\$ 20,000	
Study Abroad Fund in Population/Global Health	Expansion/Creation	10		Nursing	Operating	\$ 100,000	\$ 100,000	\$ 10,000	
Professional Development Fund	Recruitment	1		Nursing	TBD	\$ 50,000	\$ 50,000	\$ 50,000	
CONAHP Main Building	CONHAP Building	TBD		Nursing	Capital				
Regional Simulation Center	CONHAP Building	1		Nursing	TBD				
Biobehavioral Lab	CONHAP Building	1		Nursing	TBD				
Skill Labs	CONHAP Building	TBD		Nursing	TBD				
Simulation Labs	CONHAP Building	TBD		Nursing	TBD				
Center for Adverse Childhood Experiences	CONHAP Building	1		Nursing	TBD				
Center for the Study of PVD	CONHAP Building	1		Nursing	TBD				
Recruiting Scholarship Endowment				President/Provost	Endowment	\$ 10,000,000			
Acquisition of Lourdes Property				President/Provost	Capital	\$ 7,000,000			

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Funding Opportunity	Priority	Number	Campaign Pillar	Unit	Fund Type	Project Cost	Funding Goal	Funding Per	Gift Officer
Recruiting Scholarship				President/Provost	Scholarship	\$ 1,000,000			
				Research					
New Sciences/Chemistry Building			Energy & Sustainability	Sciences	Capital	\$ 30,000,000			
New Sciences/Chemistry Building Endowment			Energy & Sustainability	Sciences	Endowment	\$ 5,000,000			
Geology Endowed Graduate Assistantships			Energy & Sustainability	Sciences	Endowment	\$ 1,500,000			
Geology Endowed Chair			Energy & Sustainability	Sciences	Endowment	\$ 1,000,000			
Geology Endowed Chair for Dept Head			Energy & Sustainability	Sciences	Endowment	\$ 1,000,000			
Geology Endowed Student Support Fund			Energy & Sustainability	Sciences	Endowment	\$ 1,000,000			
Geology Lab Equipment			Energy & Sustainability	Sciences	Endowment	\$ 1,000,000			
Geology Lab Renovations			Energy & Sustainability	Sciences	Capital	\$ 500,000			
Endowed Energy Undergraduate Student R&D			Energy & Sustainability	Sciences	Endowment	\$ 350,000			
Chemistry Support (Various)				Sciences		\$ 6,800,000			
Physics Support (Various)				Sciences		\$ 6,800,000			
Biology Support (Various)				Sciences		\$ 6,800,000			
Math Support (Various)				Sciences		\$ 6,800,000			
Computing & Informatics Support (Various)				Sciences		\$ 6,800,000			
12 Labs				Sciences					
Student Leadership Programs				Student Affairs	Endowment	\$ 1,000,000			
Center of Excellence for First Generation Studies	Center of Excellence	1	Social Mobility	University College	Program				
Center of Excellence for First Generation Studies	Center of Excellence	1	Social Mobility	University College	Endowment				
Scholarship Endowment				University College	Endowment				
Online Degree Completion			Social Mobility	University College	Endowment				
Scholarship Endowment				University College/Honors	Endowment				
Professorships				University College/Honors	Endowment				
3rd Floor renovation of Honors building		1		University College/Honors	Capital				
Center for Energy Education & Outreach Endowments			Energy & Sustainability		Endowment	\$ 1,500,000			
Center for Energy Education & Outreach Labs			Energy & Sustainability		Capital	\$ 300,000			

\$ 448,790,000

College of the Arts Unit Priorities 2016

COLLGE OF THE ARTS

\$1,000,000

Endowed Interdisciplinary Fellowship in Collaborative Arts

Endowed Lecture and Visiting Artists Series

Endowment for naming rights to Burk Theatre, Fletcher Theatre and Angelle Hall

Endowment for Outreach Programs including publications, communications and marketing (web, social media, etc.)

\$500,000

Endowed Fund for Lectures and Visiting Artists to create enhanced student experiences

Endowed Fund for student travel fellowships for organizations

\$250,000

Renovation of Fletcher Hall Theatre as 2nd Stage Experimental Performances

Digi-Fab Studio including Fletcher Hall addition and equipment purchase

\$100,000

Enhancements to Art and Technology studios/labs

Professorships in Music, Performing Arts, SOAD or Visual Arts

\$50,000

Sponsorship for studio or lab with naming opportunity

\$7,000/yr.

Sponsorship for Media Studio, Music Media Studio, DigiFab Studio

SCHOOL OF ARCHITECTURE AND DESIGN

\$1,000,000

Fabrication Lab including DigiFab Lab

\$500,000

Enclose Fletcher Breezeway for exhibition space

\$100,000

Ten scholarships for SOAD - \$10,000/year per student

\$50,000

New computers for SOAD faculty

Laser Cutter

Update Smart Classrooms and other technology labs

SCHOOL OF MUSIC AND PERFORMING ARTS

\$1,000,000

Renovation to stage, seating, lighting and sound for Angelle Hall

Recital Hall

Endowed Scholarship Fund

Endowed Chair in Music

\$500,000

Collection of costumes and corresponding storage units, to be used in theater, dance, and Opera / musical theatre Productions

Renovations and updates to recording studios including equipment upgrades, acoustical treatment, wiring, and lighting. This could tie in with the idea of a new wing listed below. Utilizing new or current space to accommodate traditional music ensembles, jazz combos, etc. to record and rehearse as well as perform in a more intimate venue setting.

\$100,000

Bösendorfer or Steinway concert grand piano. If there was a new recital hall, we would need more than one concert grand.

New Stage Floor Angelle Hall

New Seats Angelle Hall

New Lighting System and fixtures Angelle Hall

Scenic Projection System Burke Theatre and Angelle Hall

New Sound System Angelle Hall

Better pianos for the practice rooms and studios.

\$50,000

A sprung portable dance floor that would be installed or stored on carts in the large studio when not in concert and transported and installed in either Angelle auditorium or Burke Theatre

Wenger Sound modules?

Sound proofing studios.

Vastly improved sound isolation between offices and practice rooms.

Portable live sound / recording rig. The sound systems in both venues are not capable of handling the demands of some of the events we've had recently (Zydeco, Traditional Ensembles, etc.)

Wood flooring and proper acoustical treatment in Angelle 158. This would better represent commercial recording studios / rehearsal spaces and allow us to change the behavior of the room from acoustically dry to somewhat live and reverberant.

VISUAL ARTS DEPARTMENT

\$1,000,000

An endowment for equipment in visual arts. This would be used by the department to provided annual funds for the purchase of new and the replacement of major studio equipment such as cameras, computers, projectors, printers, etc.

\$100,000 range:

A ceramic kiln yard and studio renovation. This would included the replacing of all the gas kilns (now 30+ years old), adding more power to the yard allowing for the running of all the electric kilns, the rebuilding of the soda kiln, replacing the current ceramic wheels, new studio sinks, running water into the glaze lab, and adding a computer and decal printer to the studio.

50,000 range:

An endowment for equipment in visual arts. This would be used by the department to provided annual funds for the purchase of new and the replacement of major studio equipment such as cameras, computers, projectors, printers, etc.

10,000 range:

This money would be used to buy five media carts to be placed in department studio areas for instructional teaching. These carts would be placed in the following studios: painting, metals, ceramics, foundations and sculpture.



UNIVERSITY of
LOUISIANA
L A F A Y E T T E

**B.I. Moody III College of
Business Administration**

Fundraising Priorities

PRIORITY #1: ENTREPRENEURSHIP/HOSPITALITY

MANAGEMENT INITIATIVE

Introduction

The Moody College of Business seeks to be a leader in hospitality and entrepreneurship education through research for a reason, exceptional instruction, and innovative experiential learning. The Acadiana region is known for its rich culture which is characterized by an innovative, entrepreneurial spirit, delicious Cajun cuisine, and warm hospitality. The University of Louisiana at Lafayette must capitalize on this position by expanding the programming and reach of both the Entrepreneurship and Hospitality Management programs in the Moody College of Business. Both programs lack sufficient facilities and resources to grow and provide students with optimal experiences and services. A shared facility devoted to Entrepreneurship and Hospitality Management would enable the Moody College of Business to expand into numerous important areas including: 1) an Entrepreneurship Clinic; 2) a premier hospitality teaching kitchen and learning lab; and 3) an emphasis in restaurant, food, and food service entrepreneurship.

Entrepreneurship Clinic

While formal educational training in entrepreneurship at UL Lafayette is relatively new, the Moody College of Business has made incredible strides in the area of entrepreneurship within the past two years. Within that timeframe, faculty members have developed the first interdisciplinary student entrepreneurship organization, secured a dedicated creative think tank space for student-entrepreneurs, and developed a minor in entrepreneurship. Moody College of Business faculty are also involved in a federal grant-funded regional business accelerator, mentoring budding entrepreneurs, and assisting students and faculty in developing business and product ideas.



Despite growing levels of excitement and accomplishments in entrepreneurship, the entrepreneurial ecosystem at the University of Louisiana at Lafayette faces several challenges that are best solved through the establishment of a state-of-the-art entrepreneurial center focused on the incubation of early stage ventures. The entrepreneurial ecosystem in the greater Lafayette area is resource rich in terms of funding, space, and ancillary resources for companies primed for acceleration (i.e., later stage entrepreneurship). However, early stage ventures primed for incubation have largely been neglected. This is a huge opportunity for UL Lafayette and MCOBA to fill a major gap in our ecosystem and create unique value.

Furthermore, the entrepreneurship initiatives in the Moody College of Business have outpaced available space and resources. These limitations are severely inhibiting future growth and further legitimacy in the entrepreneurship arena. A facility with space dedicated to entrepreneurship would allow for the establishment of an entrepreneurship clinic inspired by the university teaching hospital model that will integrate research, teaching, and real world experience by providing a place where faculty, students, entrepreneurs, and service providers go to teach, learn and build the next generation of businesses in Acadiana and beyond. An entrepreneurship clinic will immerse students in an entrepreneurial ecosystem. Much like a medical student observing and learning from a surgeon in an operating room, clinicians and students can observe and learn from startup founders. Forming an entrepreneurship clinic would provide that structure and allow entrepreneurship to grow and flourish at UL Lafayette and in Acadiana.

To this point, entrepreneurial educational offerings have existed in silos and limited in scope to a very specific area within the curriculum relevant knowledge. We can unite those offerings and build synergies among our faculty to offer the best possible educational experiences to our students. With that, the college of business will become the hub of all things entrepreneurial within and outside of the university. We anticipate a culture of learning within the entrepreneurial center mirroring the unique culture we embrace here in Acadiana – hard work, harmony, and fun.

Hospitality Teaching Kitchen and Learning Lab

Acadiana is famous for its colorful culture and unique Cajun cuisine. These elements are an important economic engine for the region which manifest in the numerous festivals, restaurants, and cultural tourism opportunities that draw visitors to our region from all over the world. The University of Louisiana at Lafayette should capitalize on this position by expanding

the programming and reach of the Hospitality Management program in the Moody College of Business to become one of the premier hospitality programs in the southeastern United States. The Acadiana region provides students and faculty with unique access to a plethora of hospitality-related resources to include casinos, horse racing tracks, food product manufacturers, food service companies, distinctive restaurants, sports and entertainment venues, and cultural tourism attractions. This access and proximity to so many resources has natural appeal for students and individuals who desire to work in or start businesses in these industry sectors.

While the local environment is rife with opportunities to expand MCOBA's hospitality management footprint, the existing facilities and resources are insufficient for growing or even sustaining the current program. The existent food labs in Hamilton Hall where students learn about food preparation are over 30 years old and not ADA compliant which impacts several



important courses/aspects of the current program which limits the opportunities the students have. The space in Hamilton Hall where students operate Lunch Club, a hands-on restaurant experience, is severely outdated and limited in seating capacity which hampers the student and customer experience. A new facility will remove these barriers as well as provide opportunities for additional programs, activities, and opportunities. Key hospitality management related features of a new facility could include: a state-of-the-art teaching kitchen for hospitality management students; a fully functioning restaurant and bar which could be operated as a normal establishment providing students with practical experience and the university and college with a new revenue stream; ability to host pop-up restaurants chosen from student competitions; a venue to host guest chefs/demos, fundraising events, Alumni Association events, student dining etiquette seminars; faculty meetings; and classroom space that can be utilized for hospitality management, Executive MBA, and entrepreneurship classes. The new facility could also be used as a means of generating additional revenue while



providing community outreach by hosting adult and children cooking classes/demos; food and alcohol safety certification courses; rental space for meetings and training; rental space as a test kitchen for food product development; invited speaker/chef series. Additionally, such a facility and endowment would provide the opportunity to establish an institute devoted to the investigation, documentation, preservation, and promotion of Louisiana and Cajun cuisine. This institute could compete for grant funding and host events that could generate revenue for the college and university.

Restaurant, Food, and Food Service Entrepreneurship

A promising and unique area for collaboration and synergy that arise from a facility shared by the entrepreneurship and hospitality programs involves restaurant, food, and food service entrepreneurship. The Moody College of Business is making structural changes to locate the hospitality management program within the Management Department which also houses the entrepreneurship program. Additionally, curricular changes are planned which would allow and encourage students in both programs to take electives from the other program. This will create the opportunity to develop a unique emphasis in entrepreneurship around food, food services, and restaurants. By sharing space with the Hospitality Management program, this type of program would be organic and natural. Additionally, the Acadiana region has a long tradition in the areas of restaurants, food products, and food services.

Required Funding: \$28 Million	Yearly Spendable Amount from Endowment: \$810,000
Facility Construction	\$10 Million (one-time cost)
Institute for the Study of Louisiana Cuisine	\$100,000
Restaurant/ Bar Director Stipend or Salary	\$50,000
Faculty/Clinicians	\$250,000
Invited Speaker/Restaurateur/Chef Series	\$100,000
Pop-up Restaurant Funding	\$50,000
Entrepreneurship Clinic Director Stipend	\$20,000
Pitch Competition Prizes	\$50,000
Entrepreneurship Clinic Faculty Stipends	\$30,000
Entrepreneurship Clinic Student Fellow Stipends	\$30,000
Invited Entrepreneur Series	\$100,000
Software and Technology	\$30,000

PRIORITY #2: ENDOWMENT FOR THE MARAIST FINANCIAL SERVICES LAB

SERVICES LAB

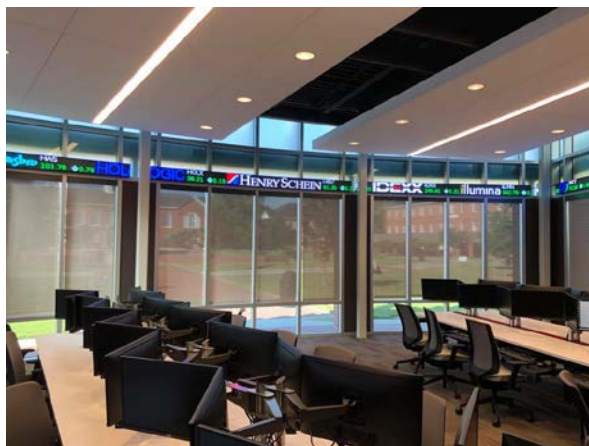
Introduction

The Marist Financial Services Lab was opened in the August, 2018 and is a state-of-the-art facility that provides students and faculty with stimulating learning and research opportunities. While the funds necessary to construct and furnish the Marist Financial Services Lab (Lab, hereafter) were provided by Mike Maraist, an endowment is required in order for the Lab to remain state-of-the-art for years to come.



Marist Financial Services Lab Endowment

Funds raised for the Lab were sufficient to construct the lab and purchase all of the furniture, equipment, and technology initially needed, but these will quickly become outdated and other needs will develop over time. For example, the Lab was initially be equipped with twelve Bloomberg terminals, which is the gold standard of investment management platforms. However, the lab has 24 stations, so only half are equipped with this important resource due to funding constraints. Furthermore, other important software (e.g., Stata, Eventus, KLD Social Ratings, etc.) and data services (e.g., WRDS, Morningstar Direct, Telmet Orion, Compustat



Global, SDC Platinum, etc.) should be purchased to provide students and faculty with access to a full complement of tools and resources used by financial services professionals. Increased data accessibility will make instruction more rigorous and informative. Today's job market requires students who are prepared to contribute productively from day one and the hands-on, practical experience students will gain through the Lab will prepare them for the job market in ways ordinary classroom experiences will not.

Researchers will also use the facility to access a wide range of data from Bloomberg and other services, thus advancing their research agendas as well as the content of the courses they teach. Research agendas in today's business schools are utterly dependent upon the availability of data and an endowment would ensure access to important data resources.

Additionally, the Lab provides the opportunity to develop new programs and offerings for students such as a student managed investment fund, an educational "business" that would be housed within the Moody College of Business. Currently, 54% of finance labs have a student

managed investment fund but such funds require close faculty supervision which typically comes with a stipend. Furthermore, there are numerous certifications that could be offered to students (e.g., Bloomberg, CFP, CFA, etc.), but this would require faculty oversight and management. In order for the Lab to be utilized to its fullest potential, a Lab Director will be required, which again would require a stipend. Finally, an endowment will allow the Lab to host high profile speakers from the investment industry (e.g., Robert Herjavec, Jonas Kjellberg, Larry Kudlow, etc.) multiple times per year.

Required Funding: \$5 Million	Yearly Spendable Amount: \$225,000
Bloomberg Terminals (12)	\$67,500
Additional Data Services/Software	\$57,500
Lab Director Stipend	\$30,000
Invited Speaker Series	\$40,000
Technology Upgrades (every 3 years)	\$30,000

PRIORITY #3: ACCOUNTING EXCELLENCE ENDOWMENT

Introduction

The Accounting program in the Moody College of Business is a well-respected program with a heritage of producing accounting graduates who have gone on to have extremely successful careers in accounting or executives and entrepreneurs. However, the current resources available to the accounting faculty and students lag behind our peers considerably. An Accounting Excellence Endowment is needed to provide the resources and programming required to meet the needs of today's complex markets by providing a top-notch accounting education in a highly rigorous and experiential learning environment.

Accounting Excellence Endowment

The Moody College of Business seeks to become a nationally ranked accounting program that places undergraduate and graduate students with regional, national, and international accounting firms while producing scholarship that impacts the discipline of accounting. An endowment for accounting excellence would increase the prominence of the accounting



program, thus allowing us to attract higher quality students and faculty. Such an endowment would also enable the program to attract higher quality faculty recruits which also should help promote academic

excellence. Ultimately, the reputations of the university, college and the department will be enhanced if we can attract higher quality students and faculty into our program. Additionally, prospective employers will benefit from our achievement of this goal in that higher quality students will result in higher quality graduates. The Accounting Excellence Endowment will enhance the prestige of the accounting program in the Moody College of Business, which will attract greater attention of more prominent accounting firms and other employers, thus increasing the employment opportunities for our graduates.

The Accounting Excellence Endowment will support an endowed chair, professorship, and lectureship in Accounting which will allow the college to recruit and retain the highest quality accounting faculty. Furthermore, the endowment will support student scholarships for undergraduate students and assistantships for Master's students. Additionally, the endowment

will provide funds needed to reward and support the scholarship and teaching of outstanding faculty. Finally, the Accounting Excellence Endowment would provide the necessary funds to create an accounting lab for accounting students which will expose them to the accounting tools and software used by accounting and business professionals on a daily basis.

Required Funding: \$5 Million	Yearly Spendable Amount: \$220,000
Endowed Chair of Accounting	\$70,000
Endowed Professorship	\$22,500
Endowed Lecturer	\$11,250
Master's Assistantships (4 @ \$4k)	\$16,000
Student Scholarships (6 @ \$3k)	\$18,000
Faculty Excellence Funds	\$52,250
Dedicated Accounting Lab	\$15,000
Databases/Software	\$15,000

COLLEGE OF LIBERAL ARTS
Fundraising Priorities 2018-2019

Priority	Project	Dep't	Approximate cost	Potential Impact	Point person
1.	Blanco Center for Public Policy	COLA	\$750,000	<p>The Kathleen Babineaux Blanco Public Policy Center will be an independent, non-partisan interdisciplinary research center, bringing together experts from different academic departments to conduct research, analyze data, create white papers and apply for external funding (grants/contracts) to further the public interest by gathering and disseminating information and analysis. With a partnership between the College of Liberal Arts and the Edith Garland Dupré Library, the Blanco Center aims to</p> <ol style="list-style-type: none"> 1. preserve and make available to the public the papers of the Kathleen Blanco administration housed in the Dupré Library archives, and promote research based on and related to the collection. 2. conduct data-driven, evidence-based, non-partisan transformational research primarily in the public policy areas emphasized by Governor Blanco during her long and distinguished career in state government: governmental ethics, criminal justice reform, poverty, workforce and economic development and opportunity, the role of women in politics, and education; 3. respond to the needs of state and local agencies, community leaders, lawmakers, and elected officials for data and analysis of current and pressing issues and problems in the above areas; 4. offer regular lectures, seminars open to the public, as well as workshops and training for professionals and public servants based on research and best practices in the Center's areas of interest; 5. provide policymakers, academics, students the media and the public with the information necessary to improve lives and communities all across Louisiana. 	Jordan Kellman
2.	Griffin House	COLA	\$1M to restore the house, \$3M to develop the entire property into self-sustaining humanities center	<p>The Lucile M. Mouton & Harry L. Griffin Center for Living Culture at UL Lafayette is a public humanities project that seeks to bring the resources of the University and surrounding community together in a unique space, Griffin House. The Center will offer access to humanities content to a much broader population than previously possible, and link the campus and downtown communities in new and fruitful ways. The Griffin Center is an interdisciplinary collaboration bringing together the University's College of Liberal Arts, School of Architecture and Design, President's Office, Office of Research, Auxiliary Services, and Faculty from across all disciplines, the City of Lafayette and the downtown community to demonstrate the everyday importance of the humanities in the lives of those in our community and beyond.</p> <p>The Griffin House is a cornerstone of the federally designated Freetown-Port Rico Historic District and sits on a full acre of property in the center of town. Its donation calls for the "fostering, promoting, and encouraging the study of language, philosophy, history, literature and similar branches of learning which are cultural in character." Based on the idea of developing the H.L. Griffin House into a multi-function meeting space for the discussion, presentation and creation of humanities content, the Griffin Center represents a commitment to create an enduring learning community beyond the bounds of campus. Through the creation of meaningful, long-term partnerships within our community and innovative programs as a catalyst for living, learning, and enlivening our experiences as</p>	Jordan Kellman and Core Saft

				<p>citizens, we are developing a place where the humanities are brought to life on the back deck, surrounded by our neighbors and our public intellectuals. Under the shade of some of the oldest trees in downtown, while looking across a newly formed public park full of the young families recently moved into this up-and-coming neighborhood community members young and old will be engaged by salons of dance, spoken word and theatre on the open-air stage.</p> <p>The Center established will be established on the generous bequest of the Griffin House and property by Lucile Mouton Griffin to the University in 1984. The Griffin House is a historic property that was originally home to Doctor and Mrs. Harry L. Griffin. Harry Griffin, for whom the University of Louisiana at Lafayette's humanities building is named, was Dean and professor of history. His father-in-law, Aleck Mouton, was the grandson of Gov. Alexandre Mouton of Ile Copal. This weaving of the community's history with the University's history is emblematic of the Griffin Center for Living Culture's ambitions to create opportunity for the University and community to enrich one another through the humanities.</p>	
3.	Roy House	Center for Louisiana Studies	\$1M	<p>The J. Arthur Roy House has been at the University of Louisiana at Lafayette's front door for nearly 120 years, and is the only building in Lafayette on the National Historic Register. With your help, it can be on the front lines of the University's mission as a cultural steward. The Center for Louisiana Studies is an archive, a publisher, and a repository for music and oral histories. It also sponsors community programs and lectures.</p> <p>A move to the Roy House would increase public access to the Center's activities. The structure would become a hub for historical scholarship, and a visible symbol of the University's commitment to preserving and exploring the state's culture and heritage. It would provide a prominent, visible link between the University's campus and downtown Lafayette, two neighborhoods that have remained stubbornly separate in spite of their physical proximity. The house would also provide a first-stop, front-door entry point to the University, and would be equipped to guide visitors to parking, offices and attractions on campus.</p>	Josh Caffery
4.	Broadcasting Television Studio	CMCN	\$800,000	<p>UL Lafayette's broadcasting majors television studio is over 25 years out of date, and can no longer train students on equipment that is used in the industry for which they are preparing. This proposal would create a new high-definition television studio and control room to allow UL Lafayette broadcasting and other media students to gain experience on current technology. The higher resolution imagery and the efficiency of transmitting digitally in the HDTV format represents the standard for video communication in a broadband world where content must be conveyed across multiple platforms to reach an increasingly diverse and mobile audience. Television broadcasters were required in 2015 to program in digital, HD television format, and now higher resolutions compatible with HDTV, such as UHD and 4K, mark the path toward the future. UL Lafayette was the first university in the state to offer a broadcasting curriculum, yet today's Broadcasting and Moving Image Arts students are trained on equipment no longer suitable for entry-level employment and opportunities where they compete against students around the state and region with that advantage. This proposal would rebuild the existing television studio and control room in V.L. Wharton Hall and fully equip it with the necessary LED lighting, monitors, control panels, teleprompters, character generator, video switcher, and high-definition (HD) studio cameras for producing HDTV broadcast quality content.</p> <p>These necessary innovations would enhance core courses in Mass Communication/Broadcasting and Moving Image Arts by instructing students in the best practices and techniques, while upgrading significantly their experience from</p>	Mike Gervais

				<p>the standard-definition teaching they now receive to learn video production skills. New HDTV studio cameras, lighting, and special effects will improve the teaching in courses for documentary production, news coverage, video field production, film directing and advertising. Achieving these learning objectives will be based on the instruction in use of three HD studio cameras equipped with color HD viewfinders, pneumatic studio pedestals, along with camera control and power units. These enhancements also will require installation of a digital HD video switcher with the necessary converters, amplifiers, and routing system to match the quality of television broadcast and televised by satellite and cable in American households. In the control room, students will learn new techniques for TV studio production using a new digital audio console, HDTV video recorders/players, character generator, HD studio lighting system, and console with preview/program video wall, and rack-mounted color LED monitors. Students will write and edit scripts on a new teleprompting system, while creating visual special effects on a virtual set with electronic backgrounds. These improvements will strengthen the university's relationship with Louisiana's film, video, and television industry and create new growth in these industries to the benefit of the state and the nation.</p>	
5.	Moving Image Arts studio	MIA/ENGL	\$500,000	<p>UL Lafayette's Moving Image Arts program, one of its newest majors, has over 100 majors and is poised to become a major pipeline for a new industry in the state and beyond. With two recent hires, the program has the talent and capacity to launch student careers in all aspects of film and video from story development to production and merchandising. But it has essentially no facilities or equipment. This proposal will allow the MIA program to reach its potential and put Louisiana film student in a position to succeed and lead in this arena. The University will MIA program will provide space, and this proposal will provide vocal booths, a sound stage, grip truck, screening room, sound studio, and a color grading/audio suite. Much of the investment could be recouped through rental income from outside production companies.</p>	Conni Castille
6.	Social Science Teaching Tools Fund (Adobe software for CMCN labs, SPSS, other software)	CMCN, PSYC, SOCI, CJUS, POLS	\$500,000 endowment	<p>A Social Science Teaching Tools Fund would create a centralized resource for research in a vast variety of disciplines by making the essential tools available. Its implementation would be partnered with the creation of an interdisciplinary center where expertise such as statistics and quantitative analysis could be shared across departments and disciplines. This center would increase research and resource efficiency and spark new research and teaching collaborations. It would open new grant funding opportunities by leveraging the expertise and resources we have across departments.</p> <p>Our departments of Communication, Sociology, Anthropology, and Child and Family Studies, Psychology, Criminal Justice, Political Science, Communicative Disorders, and the Blanco Public Policy Center all do extensive research, instruction and creative activity which demands a set of tools, from computer and other specialized hardware to software such as SPSS and Adobe Suite, that they don't have adequate access to. Communication has two labs of 20 stations each that are full most of the day, and is no longer able to afford the \$300/computer to host Adobe Creative Suite on these computers. Other departments have struggled to pay for licenses for specialized software to conduct their research, often making do with inadequate substitutes.</p>	Lucian Dinu
7.	Revive FLIP program with scholarship	POLS	\$100,000 endowment	<p>The Future Leaders Internship Program (or FLIP) placed undergraduates with legislators during the session of the Louisiana House and Senate. It drew students from across the University. One alumnus said, "My favorite part of studying political science at UL was participating in the Future Leader Internship Program (FLIP). This highly competitive program paired accepted students with a current state legislator for the legislative session. I was paired with State Senator Fred Mills Jr. for two consecutive sessions; with him I participated in constituent work, committee hearings, and legislative research. The experience opened so many doors for my future career and I gained a wealth of knowledge from those two summers. I learned how to think, work, and perform as a professional</p>	Ryan Teten

				<p>in politics. I was taught where to find the answers to my questions. It taught me to listen and open my mind so we can work together and solve problems facing our community. Most of all it taught me how to make a difference in my community, state, and country." This program was suspended due to lack of funding. An endowment to fund 4 need- and merit-based scholarships per year of \$1,000 each would allow it to again provide a pathway to success for another generation of students.</p>	
8.	Create a state-of-the-art flexible classrooms (and replace outdated and broken desks in Mouton classrooms)	COLA	\$50,000	<p>This proposal will modify a select set of classrooms to be flexible for a wide variety of modes of learning and interaction. A pilot project at ULM has demonstrated that with a reasonable investment in mobile desks and audiovisual equipment, a standard classroom can be transformed into a flexible learning space that can easily accommodate lecture, group discussion, debate, pair work and student project presentation, all within the same space and the same class period.</p> <p>Students at UL Lafayette, and in the thousands of general education courses offered by the College of Liberal Arts, are mostly locked into a passive, lecture-and-note-taking mode of learning largely due to the physical layout and equipment of our classrooms. Desks in Griffin and Mouton Halls are original to the buildings, and many modern students simply don't fit into them any more.</p>	Jordan Kellman
9.	Faculty Conference and research travel	COLA	\$250,000 endowment	<p>A College travel fund would allow faculty to attend national conferences in their disciplines, present and discuss their research and other current research in the field, and network with other scholars in the discipline. Attendance at such conferences allows our faculty to remain abreast of current scholarship in their fields and to and bring new knowledge and the excitement of these conferences back to the University and to Lafayette, where it can benefit their colleagues, their students and the community.</p> <p>Due to budget cuts, University travel budgets have remained at 50% of 2007 levels since 2008. While the average conference costs around \$2,000 in attendance to attend, most faculty are reimbursed only \$250-\$400, and only for one conference per year. This fund would allow COLA faculty to continue to update their knowledge and expertise in their fields and spread those benefits to the entire community.</p>	Jordan Kellman



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***College Priorities
for a Gift Campaign***

Azmy S. Ackleh, Dean



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Request for Infrastructures to Support Research & Education in:

Energy, Earth and Health Sciences including
Mathematical Modeling and Computing
(CHEM, ENVS, GEOL, PHYS, BIOL, MATH,
CMPS)



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\$35M –To fund the construction of a new Sciences building (naming opportunity)

\$25M for construction

\$5M for new equipment

\$3M for lab furniture

\$1M for office furniture

\$1M for long-term sustaining



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\$6.8M – Naming of the Department of Chemistry:

\$1.2M for Endowed Chair in Chemistry Department Leadership (positional non-BOR for the department head of Chemistry at UL)
– will yield \$45K per year for discretionary use for professional development

\$500K for an endowed account to support student activities - will yield \$20K per year

\$1.2M for a named endowed MS graduate student support fund (will fund 2 MS students at \$15K per yr stipend, \$10K/yr lab support, \$2K/yr for travel) – yields a total of \$27K per MS student each year

\$1.4M for a named endowed PhD graduate student support fund (will fund 2 PhD students at \$30K per yr stipend, \$10K/yr lab support, \$2K/yr for travel) – yields a total of \$42K per PhD student each year

\$1M for laboratory equipment purchases – non-endowed funds (one time)

\$500K for laboratory facility updates – non-endowed funds (one time)

\$1M for an endowed department discretionary fund - - yields \$45K/yr



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\$6.8M – Naming of the Department of Physics:

\$1.2M for Endowed Chair in Physics Department Leadership (positional non-BOR for the department head of Physics at UL) – will yield \$45K per year for discretionary use for professional development

\$500K for an endowed account to support student activities - will yield \$20K per year

\$1.2M for a named endowed MS graduate student support fund (will fund 2 MS students at \$15K per yr stipend, \$10K/yr lab support, \$2K/yr for travel) – yields a total of \$27K per MS student each year

\$1.4M for a named endowed PhD graduate student support fund (will fund 2 PhD students at \$30K per yr stipend, \$10K/yr lab support, \$2K/yr for travel) – yields a total of \$42K per PhD student each year

\$1M for laboratory equipment purchases – non-endowed funds (one time)

\$500K for laboratory facility updates – non-endowed funds (one time)

\$1M for an endowed department discretionary fund - - yields \$45K/yr



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\$6.8M – Naming of the School of GeoSciences:

\$1.2M for Endowed Chair in GeoSci Department Leadership (positional non-BOR for the department head of GeoSci School at UL) – will yield \$45K per year for discretionary use for professional development

\$500K for an endowed account to support student activities such as the PetroBowl, API, and SPE undergraduate student activities – will yield \$20K per year

\$1.2M for a named endowed MS graduate student support fund (will fund 2 MS students at \$15K per yr stipend, \$10K/yr lab support, \$2K/yr for travel) – yields a total of \$27K per MS student each year

\$1.4M for a named endowed PhD graduate student support fund (will fund 2 PhD students at \$30K per yr stipend, \$10K/yr lab support, \$2K/yr for travel) – yields a total of \$42K per PhD student each year

\$1M for laboratory equipment purchases – non-endowed funds (one time)

\$500K for laboratory facility updates – non-endowed funds (one time)

\$1M for an endowed department discretionary fund - - yields \$45K/yr

\$1.2M – Named Endowed Energy PhD Student Full Fellowship: \$1M for a named endowed account for support of one PhD student in an energy focused study which provides an annual \$30K stipend and \$15K per year of student support funding. Also, \$200K for an initiation fund to immediately offer the fellowship.

\$380K toward an Endowed Energy Undergraduate Student R&D Job: Provides \$15/hr along with \$100/week of support funds to an undergraduate student working in an energy focused area for an academic year 20 hr/week job. Also includes a \$60K initiation non-endowed funding line.



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\$800K toward an Endowed Chair in GeoSci: \$800K for Endowed Chair in Petroleum Systems within GeoSci (with be matched with \$400K from the BOR) – Total Initial Endowed Amount = \$1M with a \$200K non-endowed amount (immediate award).



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\$6.8M – Naming of the Department of Biology:

\$1.2M for Endowed Chair in Biology Department Leadership (positional non-BOR for the department head of Biology at UL) – will yield \$45K per year for discretionary use for professional development

\$500K for an endowed account to support student activities - will yield \$20K per year

\$1.2M for a named endowed MS graduate student support fund (will fund 2 MS students at \$15K per yr stipend, \$10K/yr lab support, \$2K/yr for travel) – yields a total of \$27K per MS student each year

\$1.4M for a named endowed PhD graduate student support fund (will fund 2 PhD students at \$30K per yr stipend, \$10K/yr lab support, \$2K/yr for travel) – yields a total of \$42K per PhD student each year

\$1M for laboratory equipment purchases – non-endowed funds (one time)

\$500K for laboratory facility updates – non-endowed funds (one time)

\$1M for an endowed department discretionary fund - - yields \$45K/yr



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\$6.8M – Naming of the Department of Mathematics:

\$1.2M for Endowed Chair in Mathematics Department Leadership (positional non-BOR for the department head of Mathematics at UL) – will yield \$45K per year for discretionary use for professional development

\$500K for an endowed account to support student activities - will yield \$20K per year

\$1.2M for a named endowed MS graduate student support fund (will fund 2 MS students at \$15K per yr stipend, \$10K/yr lab support, \$2K/yr for travel) – yields a total of \$27K per MS student each year

\$1.4M for a named endowed PhD graduate student support fund (will fund 2 PhD students at \$30K per yr stipend, \$10K/yr lab support, \$2K/yr for travel) – yields a total of \$42K per PhD student each year

\$1M for laboratory equipment purchases – non-endowed funds (one time)

\$500K for laboratory facility updates – non-endowed funds (one time)

\$1M for an endowed department discretionary fund - - yields \$45K/yr



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\$500K – Naming of Biology Industrial Microbiology Lab (Perpetuity):

\$100K for room renovation
\$300K for equipment
\$100K for lab furniture

\$1.5M – Naming Opportunity for UL Microscopy Center:

\$100K for room renovation
\$1.35M for equipment
\$50K for lab furniture

\$650K – Naming Opportunity for Chemistry Analytical Lab:

\$250K for room renovation
\$350K for equipment
\$50K for lab furniture

\$2.05M – Naming Opportunity for Chemistry Energy Lab:

\$200K for room renovation
\$1.7M for equipment
\$150K for lab furniture



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\$750K – Naming of Chemistry Organics Synthesis Lab (Perpetuity):

\$150K for room renovation

\$500K for equipment

\$100K for lab furniture

\$1.5M – Naming Opportunity for Petroleum Geology Lab:

\$100K for room renovation

\$850K for equipment

\$50K for lab furniture

\$850K – Naming of Environmental Processes Laboratory in GeoSci (Perpetuity):

\$150K for room renovation

\$300K for equipment

\$100K for lab furniture

\$300K for long-term sustaining



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\$720K – Polymer Chemistry Lab (new lab):

\$100K for room renovation
\$500K for equipment
\$120K for lab furniture

\$1.7M – Instruments Analysis Lab (new lab):

\$100K for room renovation
\$800K for equipment
\$170K for lab furniture



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\$1.1M – Naming of Treatment Process Mechanisms Laboratory in Chemistry (Perpetuity):

\$150K for room renovation

\$600K for equipment & lab furniture

\$300K for long-term sustaining

\$1.7M – Naming of GeoSci Reservoir GeoChemistry Lab: \$1M for equipment for a geochemistry R&D laboratory; \$500K of endowed maintenance funds for the fracking technology R&D laboratory (75% annual rollover to non-endowed fund account); & \$200K one-time for laboratory physical upgrade.

\$75K – GC for the GeoSci Petro Labs: Provides one-time purchase of a GC system for characterizing organic compounds in petroleum matrices.



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\$1.1M – Naming of the Virtual Reality Lab in the School of Computing and Informatics (CMIX):

\$150K for room renovation
\$600K for equipment & lab furniture
\$300K for long-term sustaining

\$550K – Naming of the Systems Research Lab in CMIX:

\$50K for room renovation
\$300K for equipment & lab furniture
\$200K for long-term sustaining

\$1.1M – Naming of the Data Mining Lab in CMIX:

\$150K for room renovation
\$600K for equipment & lab furniture
\$300K for long-term sustaining

\$550K – Naming of the Cloud Computing Lab in CMIX:

\$50K for room renovation
\$300K for equipment & lab furniture
\$200K for long-term sustaining



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\$1.2M – Named Endowed PhD Student Full Fellowship in Biology: \$1M for a named endowed account for support of one PhD student in an energy focused study in Biology which provides an annual \$30K stipend and \$15K per year of student support funding. Also, \$200K for an initiation fund to immediately offer the fellowship.

\$380K toward an Endowed Energy Undergraduate Student R&D Job in Biology: Provides \$15/hr along with \$100/week of support funds to an undergraduate student working in an energy focused area in Biology for an academic year 20 hr/week job. Also includes a \$60K initiation non-endowed funding line.

\$1.2M – Named Endowed PhD Student Full Fellowship in Chemistry: \$1M for a named endowed account for support of one PhD student in an energy focused study in Chemistry which provides an annual \$30K stipend and \$15K per year of student support funding. Also, \$200K for an initiation fund to immediately offer the fellowship.

\$380K toward an Endowed Energy Undergraduate Student R&D Job in Chemistry: Provides \$15/hr along with \$100/week of support funds to an undergraduate student working in an energy focused area in Chemistry for an academic year 20 hr/week job. Also includes a \$60K initiation non-endowed funding line.



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\$1.2M – Named Endowed PhD Student Full Fellowship in Mathematics: \$1M for a named endowed account for support of one PhD student in an energy focused study in Mathematics which provides an annual \$30K stipend and \$15K per year of student support funding. Also, \$200K for an initiation fund to immediately offer the fellowship.

\$380K toward an Endowed Energy Undergraduate Student R&D Job in Mathematics: Provides \$15/hr along with \$100/week of support funds to an undergraduate student working in an energy focused area in Mathematics for an academic year 20 hr/week job. Also includes a \$60K initiation non-endowed funding line.

\$1.2M – Named Endowed PhD Student Full Fellowship in Computer Science: \$1M for a named endowed account for support of one PhD student in an energy focused study in Computer Science which provides an annual \$30K stipend and \$15K per year of student support funding. Also, \$200K for an initiation fund to immediately offer the fellowship.

\$380K toward an Endowed Energy Undergraduate Student R&D Job in Computer Science: Provides \$15/hr along with \$100/week of support funds to an undergraduate student working in an energy focused area in Computer Science for an academic year 20 hr/week job. Also includes a \$60K initiation non-endowed funding line.



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College's Background Information



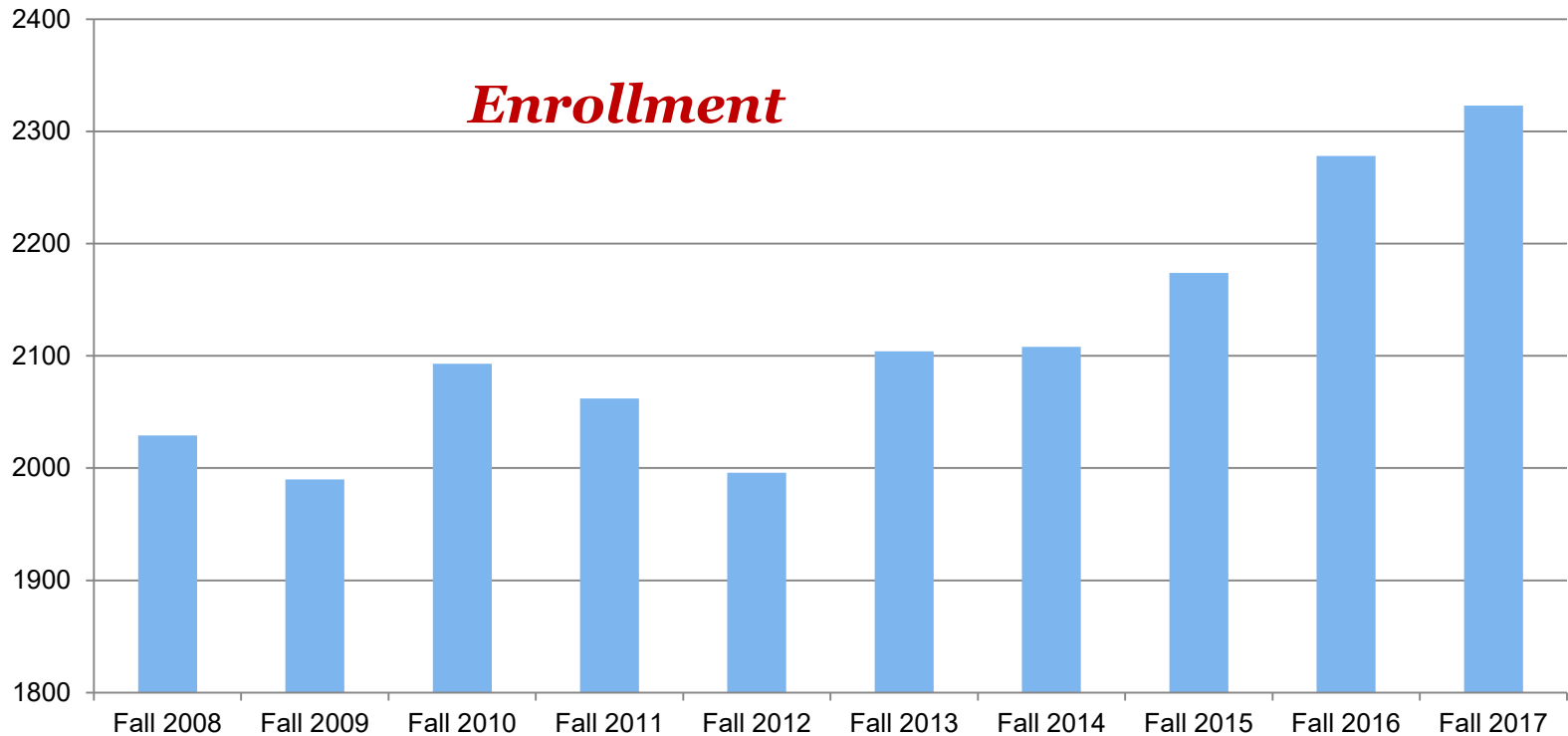
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- 1. *Research Excellence***, with initiatives aimed at increasing research funding and publications. Initiatives are focused both directly on the research enterprise itself (e.g. by improving research infrastructure and enhancing collaborations across disciplines and institutions) and on the support provided by strengthening graduate education and enhancing undergraduate research.
- 2. *Education Quality***, with initiatives focused on various aspects of undergraduate and graduate education, including enhancement of capstone activities for undergraduates, enhancing recruitment of strong students, strengthening existing graduate programs and creating new ones.

College of Sciences

- ❑ 6 Academic Units
- ❑ 19 Degree Programs
- ❑ 128 Faculty
- ❑ 27 Staff
- ❑ 2000 Undergraduate Student Majors
- ❑ 300+ Graduate Students
- ❑ 13M Dollars in External Funding



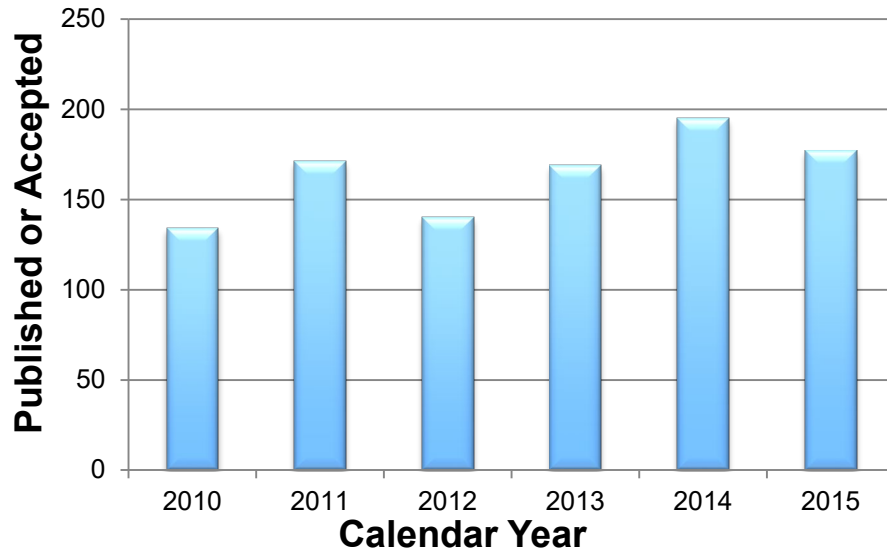


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College of Sciences

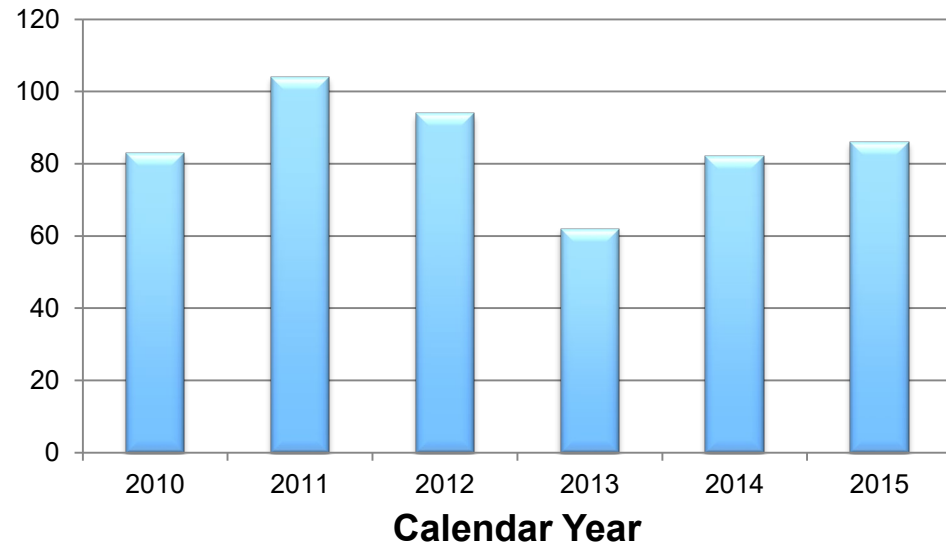
Research Productivity

Journal Publications



Average of 164 ± 23

Conference Proceedings



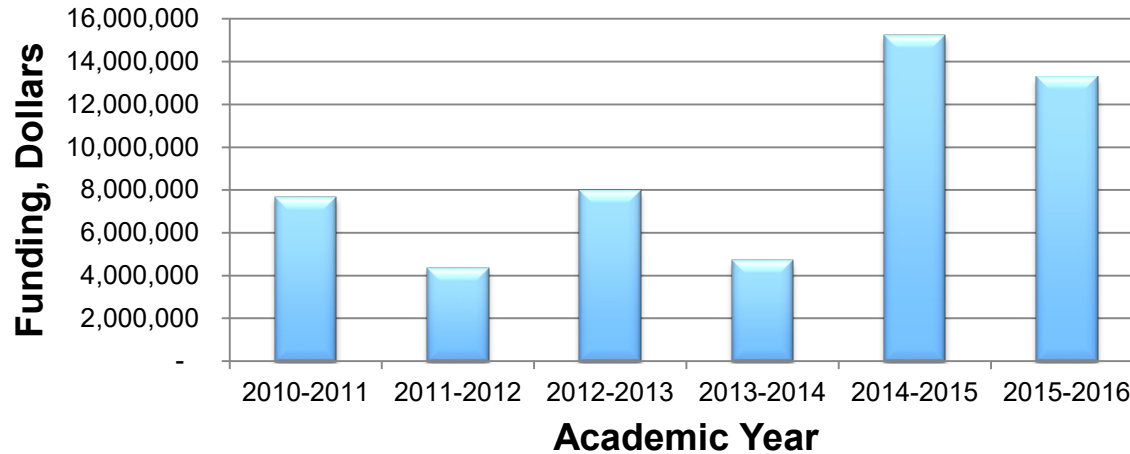
Average of 85 ± 14



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Funded Grants and Contracts



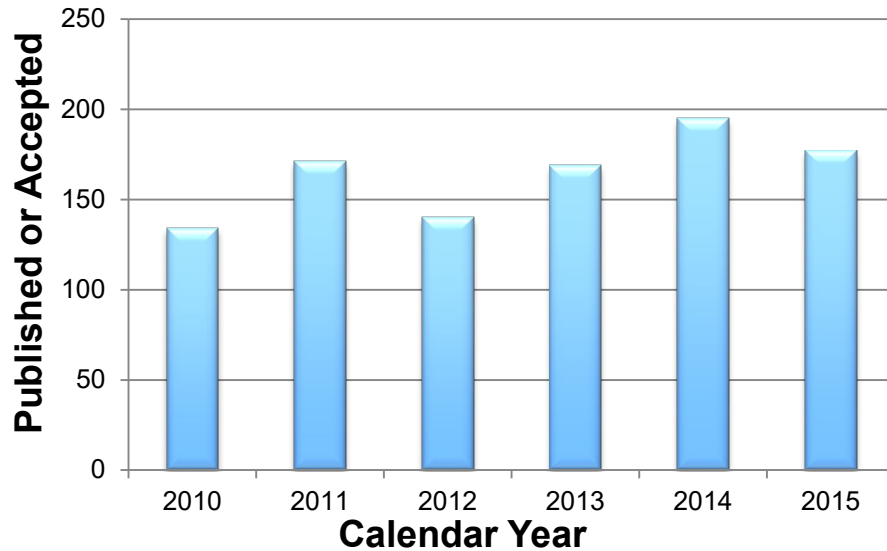
May 23, 2016

Average of \$8.8M



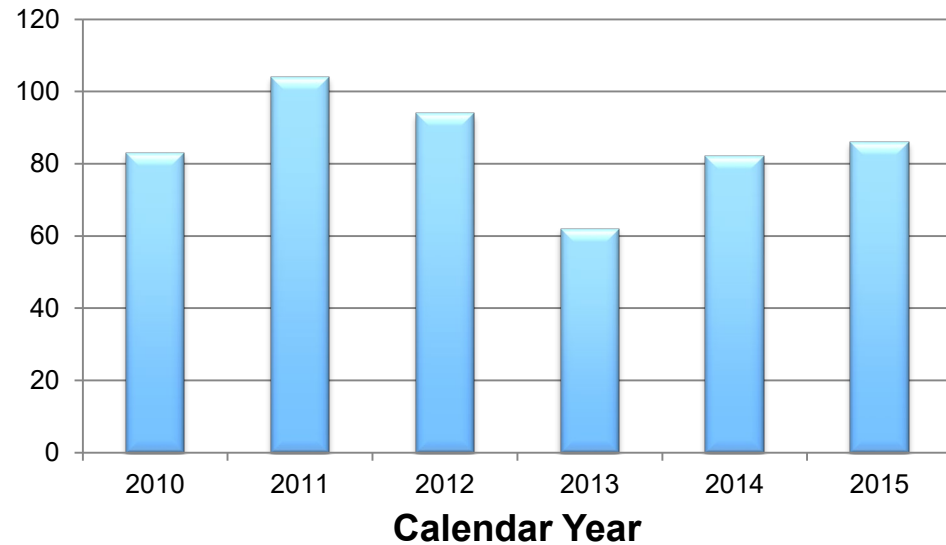
Research Productivity

Journal Publications



Average of 164 ± 23

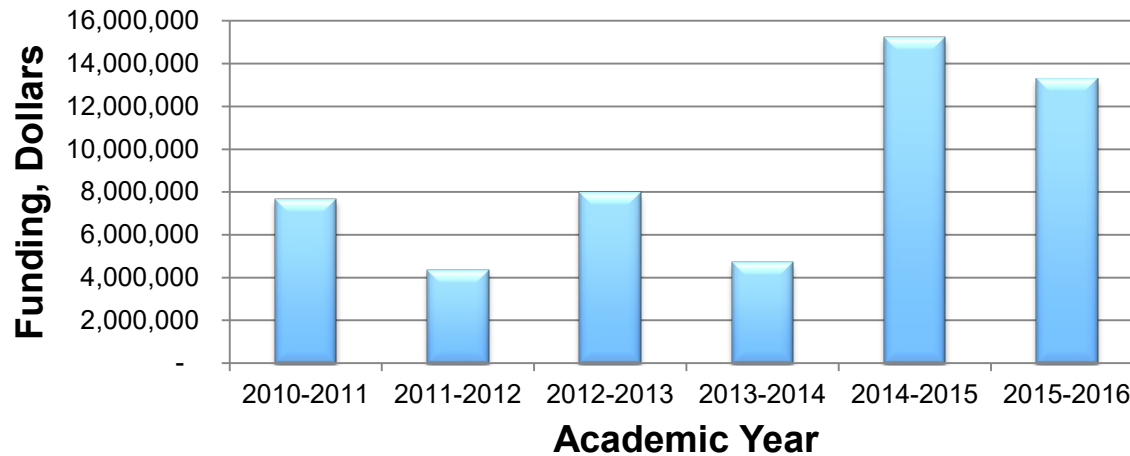
Conference Proceedings



Average of 85 ± 14



Funded Grants and Contracts



May 23, 2016

Average of \$8.8M



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Research and Funding Highlights

- *Externally funded scientific research projects in which our faculty members are involved as Principal Investigators or Co-Investigators average approximately \$8.8 million per year.*
- *Published results of our faculty discoveries appear in approximately 164 peer reviewed publications and approximately 85 conference proceedings each year.*
- *Our programs are amongst the best in the State of Louisiana and have a high national ranking. For example, the National Science Foundation HERD ranking in R&D for 2015—our three Ph.D. Departments are 58 (CMPS), 80 (MATH), and 111 (BIOL).*
- *Heavy interdisciplinary research focus with curriculum revisions underway to emphasize interdisciplinary course content and training.*



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Focus on Selected Research Projects and Research Areas

- *Big Data Analytics, Wireless Computing, Health Informatics*
- *Water and Coastal Research*
- ***Health Sciences***
- *Invasive species dynamics and management*
- *Crustacean ecology, diseases, genetics and toxicology.*
- *Evolutionary Biology*
- *Asymmetric Amination, Gene Expression*
- ***Mathematical Modeling*** with applications to population and disease dynamics
- *Acoustics with application to population dynamics and abundance*
- *Geophysics, Accelerator Physics*
- ***Energy: Conventional Petroleum and Geothermal***



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Health Sciences- Treating Deafness

Research efforts are aimed at using specific proteins and protein complexes to reverse damage to hair cells caused by overstimulation. In modern society, hair cells (the cells in our ears that respond to sound) are commonly damaged by loud sounds encountered at work or during leisure activities. Severe damage leads to death of hair cells and permanent deafness. Recent research has shown that specific proteins secreted by sea anemones after experimental damage to their hair cells can be successfully used to treat damaged hair cells in a mouse cochlea. This research may lead to treatments for certain forms of deafness.

Health Sciences- Understanding Self-Injury

Self-Injurious behavior (SIB) is being investigated in Rhesus Macaque monkeys as a model system for non-suicidal, self-injury that accompanies serious mental disorders in humans (Autism, OCD, depression, borderline personality disorder). SIB occurs spontaneously at a very low frequency in monkeys at the UL Lafayette primate center, the New Iberia Research Center. The brains of animals that have exhibited SIB are being compared to those of healthy controls to look at patterns of gene expression that may be diagnostic of SIB or change as a consequence of SIB. This research may lead to better treatments for mental disorders that lead to SIB.



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Health Sciences- Better Drug Development

Research efforts led to the successful development of new patented methods by which medically relevant chemicals are produced using copper as the catalyst. For example, the method allowed researchers to create certain asymmetric chemicals including the epilepsy drug, Vigabatrin, the cholesterol lowering drug, Ezetimibe, the Alzheimer's drug, Rivastigmine, the antifungal drug, Naftifine, and the antidepressant drug, Sertraline.



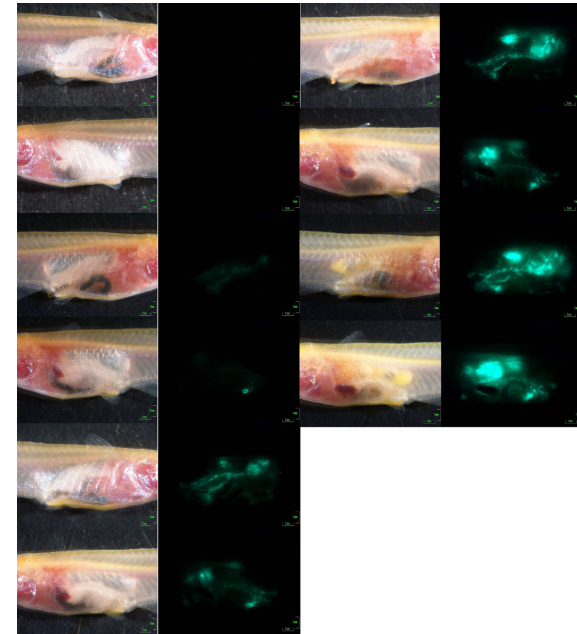


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Interdisciplinary – Mathematical Modeling and Mm Disease Progression

Interdisciplinary research efforts are aimed at using a fish model of tuberculosis (*Mycobacterium marinum*) which develops a chronic infection in certain species of fish. Mathematical modeling allows one to predict the progression of the disease over time and the consequences of the infection on the fish population. This fish model of TB allows researchers to investigate the cellular and molecular basis by which infections are initiated and maintained at a chronic level but using a less dangerous form of *Mycobacterium*. In addition, *M. marinum* infections are economically important to aquaculture. In these see-through fish, chronic infections are visualized using a *M. marinum* strain that fluoresces green. Thus, infected organs can be directly visualized.





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Interdisciplinary—Mathematical Modeling and Acoustics of Whales

Interdisciplinary research efforts are aimed at modeling the dynamics of different species of whales in the Gulf of Mexico including sperm and beaked whales. Vocal emissions of the whales are detected by sensitive hydrophones. Statistical models are developed to utilize the acoustic data and estimate population abundance. Mathematical models are also developed to understand the impact on oil spills on the probability of population recovery.





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Energy – Students win International Competition

Graduate Students claim an international title for the ability to determine the best place to drill for oil. The team won first place in the Imperial Barrel Award competition hosted by the American Association of Petroleum Geologists in 2014 for the second time. UL Lafayette is the only university in the world to produce two winning teams of this award.



Energy – Seismic Survey

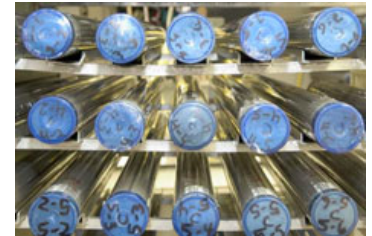
Researchers from a consortium of industry and academic partners performed a seismic survey of North Louisiana. The data is being used to locate shallow oil and gas targets as well as to examine the geology of the Cretaceous-Tertiary boundary with specific interests in learning more about the long-term impacts of the meteorite impact that is thought to have led to the extinction of dinosaurs. In addition, seismic modeling of geothermal targets is underway along with evaluating potential underground reservoirs for injected CO₂ gas.



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Geosciences – Shifts in the Earth's Magnetic Fields

Researchers investigate the long-term history of the Earth over many thousands of years using sediment cores obtained during oceanic excursions and drill ships that obtain high-resolution sediment cores. From this research, we are obtaining a better understanding of major shifts in the Earth's magnetic fields.





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Spin-off Companies

Cythereal , a spin-off company was founded by College of Sciences researchers based on the results of their research efforts on methods to detect, prevent and eliminate cyber-attacks. The technology extracts intelligence from malware to aid in proactive analysis of coordinated cyber-attacks.



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Industrial Ties

Below appears a partial list of companies, government labs/agencies, and research centers having cooperative relationships with the College of Sciences.

RT Environmental Services
Sherry Laboratories
Hydro-Environmental Technology, Inc.
T. Baker Smith, LLC
Icon Environmental Services
KourCo Environmental Services
Stokes and Spiehler Engineering and Consulting
CH2M Hill
Dove Environmental
Lafayette Consolidated Government
US Department of Agriculture –National Resources Conservation
National Park Service
Louisiana Department of Environmental Quality
US Geological Survey
National Wetlands Research Center



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Acadian Companies
Acadiana Computer Systems
Apex Innovations
CBM Technology
CenturyLink
CGI
Enquero
GE Capital
HealthUnity
Innovative Advertising
Lafayette Associates of Innovation and Design
LHC Group
McIlhenny Company
Perficient
Praeses
Schumacher Group
Stuller Inc.
Tata Consultancy Services
Techneaux
Weatherford International

QUESTIONS?



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College of Education Funding Priority 2018-2019

1. Lab School
 - A. Operational funding will come from MFP and Tuition
 - B. Facility funding for K-12 Cost unknown at this time but range of \$15-20,000,000 per Program
 - i. K-8 only \$15-20,000,000
 - ii. 9-12 only \$14-18,000,000
 - C. Benefits to University, College and Community
 - i. The addition of a Lab School is the most significant enhancement possible for the university. It would not only elevate the College of Education within the state and region it would provide the catalyst for school improvement and therefore, workforce improvement in Louisiana, a state that so desperately needs it. A Lab School would significantly highlight and support all the departments and school within the college. Educational Foundations and Leadership will be working with the school leadership and utilizing its operations to model best practices for school leadership. The Counseling Department will have the opportunity to work with students in their school counseling program and have a site to teach best practices for counseling. The School of Kinesiology will have a site not only for physical education activities but also for health research and activities for students. The Curriculum and Instruction Department will have a site to model best practices so future teachers will observe how a classroom should operate and how model classrooms should be designed and organized before they embark on their teaching career. The mission of the Lab School is to advance educational equity, innovation, and opportunity for all Louisiana students. Researchers and practitioners from diverse contexts will unite through Networked Improvement Communities (NICs) to develop, implement, and analyze school improvement strategies which will be made public for anyone to use. The teacher preparation program, one of the largest producers of teachers in the state, will improve in its ability to expose our candidates to the highest quality educational opportunities while preparing them in problem solving and design thinking processes to implement potential, student-centered change in their own contexts. These teachers will contribute to the current workforce needs of our Acadiana region and state. Once strategies are tested and analyzed in the Lab School, scholars and practitioners from diverse contexts will unite through Networked Improvement Communities (NICs) to adapt, implement, and analyze school improvement strategies with reduced variables. Local and state schools are encouraged to use some of the lab

school ideas, applied to their own contexts. The learning does not end in the summer, as we will expand our community reach by offering summer programs for community children with scholarship offerings as well as professional development opportunities for teachers. The lab school will also open its doors during the summer to host Acadiana teachers interested in sharing their own work toward school, classroom, or student performance improvement. UL Lafayette has the highest value-Added scores in the state for mathematics and second in ELA. There is a tremendous teacher shortage in Acadiana and the state.

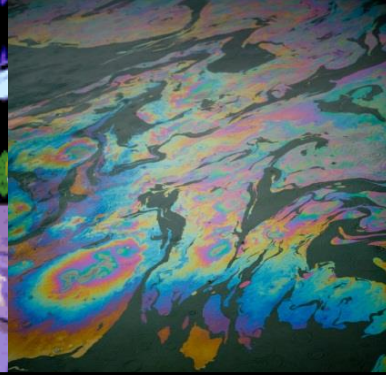
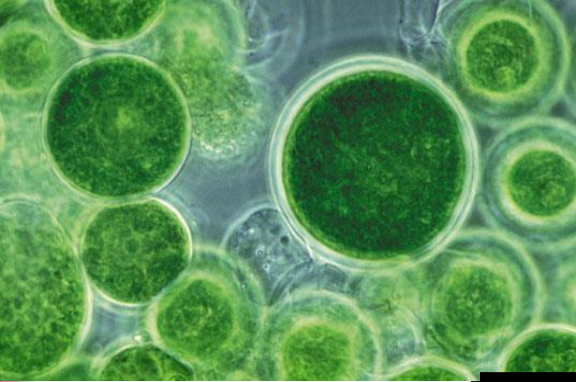
- ii. University – The University of Louisiana at Lafayette will gain recognition for moving forward to help K-12 education (the source of all university students). The Lab School site will be utilized for research involving other disciplines and colleges. For example the College of Nursing will have access to students to learn processes for treating children and for opportunities to research idea for improving processes. Music and Art departments have inquired about opportunities to work with children on art and music projects. The Colleges of Engineering and Sciences are eager to work with students on developing strong STEM education in K-12 to better prepare students for university engineering and science courses. The Lab School further provides opportunities for NSF grants to illustrate how the grant can meet its education component. Eventually the Lab School will provide avenues for K-12 students to take dual enrolled courses or simply university courses while in high school. These opportunities for others to interact with students and develop a college going culture will have a significant impact on the region.
- iii. College – Additional strengths of the Lab School include an exciting interactive site that can be used to recruit new students to the field of teaching as well as students interested in teaching from other areas of the state and country. The site will be designed to provide for controlled observations to learn best practice by best teachers. New teachers need the opportunity to witness how a classroom should operate so they can model their own future classroom based on the model site. The Lab School will be the home of professional development for district teachers and summer programs to expand reach of the school. Partner with district schools will attend professional development programs at the Lab School to share best practices and create a research hub with other schools; thereby, expanding the scope and influence of the Lab School for the benefit of all students.
- iv. The community will support UL Lafayette and its efforts to improve education and the Lab School will be the showcase to highlight what UL Lafayette is doing to improve education for all. The Lab School will also be

the site for summer activities to share the great programs and activities of the Lab School with other students not in the Lab School.

2. School of Kinesiology – So much more than physical education. The School of Kinesiology is a research hub with focuses on cancer research, stress research, brain research and other muscular research arenas. The School is heavily invested in student research as well as health related activities. The School is invested in research occurring at the New Iberia Research Center and currently operates a mouse facility for cancer research. To facility their expanded research role and high quality pre-professional students, the School would greatly benefit from the following:
 - a. Environmental Chamber -- This would be HUGE!!! With this KNES could study how the environment affects human physiology, including relevant topics for Louisiana such as heat and humidity. There are only a handful of these systems in Kinesiology programs, this would truly put KNES into an elite category. These chambers are heavily used in military research that is funded by the Department of Defense. These systems can be used in all levels of research from Undergraduate to Doctoral programs. Most PhD programs in Kinesiology have access to one of these systems. COST: \$200,000. The College of Education is working on a proposal for a Ph.D. in this area.
 - b. Digital PCR system -- This would allow for much finer detail in genetic analysis than we currently have available. With this system as few as one copy of DNA can be detected. This would allow for greater detail in the study of microRNA as well as the study of gene expression. COST: \$55,000 with on site training
 - c. BIOPAC fNIR system -- This system allows for the study of oxygen consumption in the brain in combination with EEG. With this technology we could expand our research into health, physical activity and cognitive function to the next level. We are currently doing VERY impactful work in this area, this system would launch us into the top echelon of research. COST: \$55,000
 - d. Joint Physiology Lab with Psychology
 - i. Utilization and retrofit of room next to pool. Used to inservice and work with health care providers to assist them with work with folks with health issues both mental and physical. Many folks have health issues and the health folks do not know how to reach and work with them due to mental issues. It will also support future Ph.D. in KNES. Working now with Development to determine where funding might come from. It could start with anywhere from \$20,000-\$100,000 and funding will determine how well it is equipped and what it can accomplish.
3. Counseling Department:
 - a. 4 additional offices, 3 classrooms and a dedicated waiting room for counseling clients. The Counseling Department is primed to grow into a PH.D. program. The current Masters is strong and is one of the largest on campus. The faculty

could improve productivity and assist with the high need for mental health counselors if a Ph. D. program were approved. The primary need for the program is more space to host a larger clinic with waiting room and reception, additional counseling classrooms and labs and additional office space. The location for this expansion is unknown at this time; thus cost is unknown. The program would eventually produce approximately 5 doctoral students a year if sufficient space can be located. The current clinic has recorded thousands of hours of free services to those in need in the area and could easily handle more if space and resources were allocated.

- b. The current technology in use with the Counseling faculty is out of date and needs to be replaced to provide the appropriate support for the program. By updating and modernizing the technology in Counseling with new computers (current ones are 6 years old), for 5 faculty members and 3 multimedia rooms for reviewing counseling sessions would cost about \$15,000.



**PROVIDING THE
WORLD WITH
SAFE & VIABLE
ENERGY RESOURCES**

**A Major Educational &
Research Initiative for the
University of Louisiana
at Lafayette**

TM





WHY ENERGY?

-Global Perspective-

Energy has emerged as a key global issue of great concern to all countries – developed and developing

The complete provision of energy across a country is a direct reflection on the stability and health of that society

US energy industry has a \$2+Trillion impact on the US economy (over 10 M US Jobs)

Improper energy resource management issues are often the root of many of the world's current and pending ecological threats

Energy resource options must mature over time into more sustainable and environmentally friendly forms

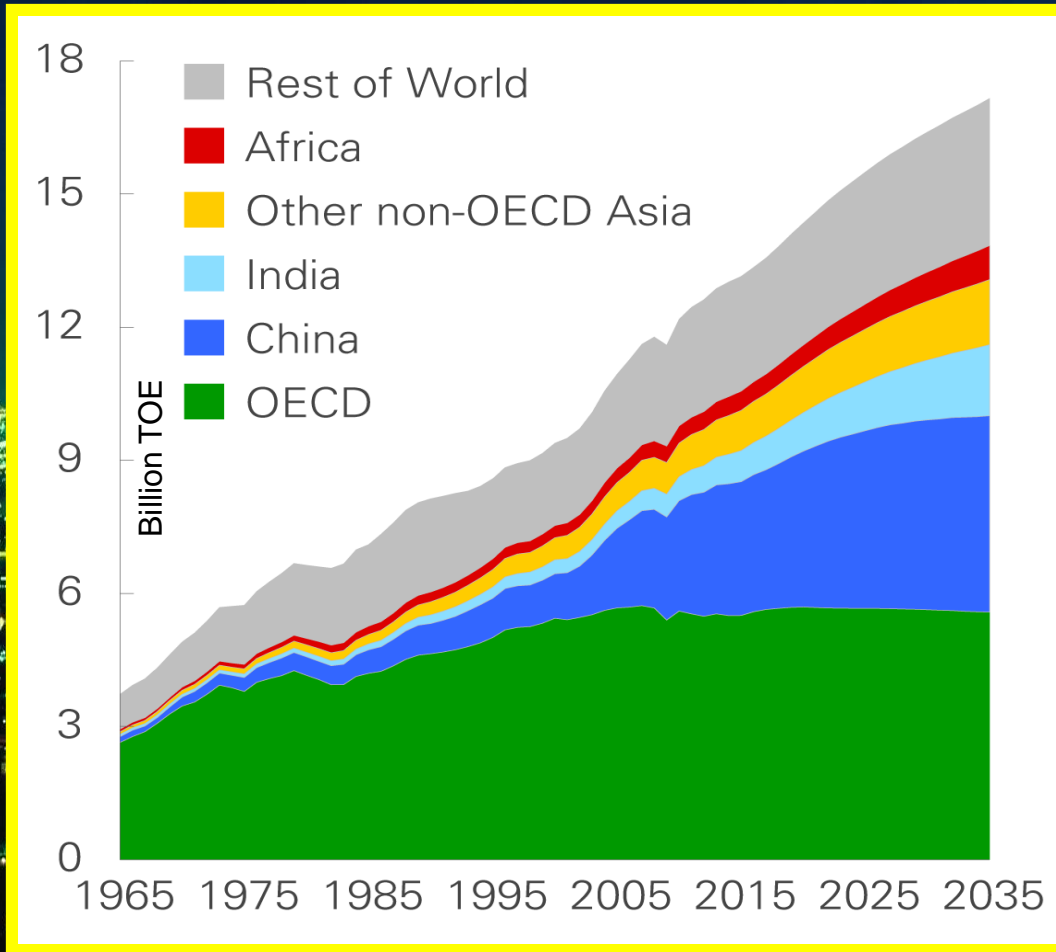
Today's alternative energy industry is a >\$300B global industry - which is expected to more than double in 5 years

Successful energy resource development efforts are today requiring highly diverse multi-disciplinary team efforts

Green energy needs much more science to be competitive – from both an economic and technical viewpoint



EXPECTED GLOBAL ENERGY USAGE GROWTH





WHY ENERGY?

-Regional Perspective-

Louisiana, and particularly Lafayette, is considered a key hub for the global petroleum industry

The Acadiana Region continues to serve as a technical spindletop for innovations in the energy industry (petroleum)

Louisiana and the Overall Gulf of Mexico Region is considered the energy gateway and transport hub of the US

Louisiana will continue to serve as the O&G refining center of the US

Louisiana has numerous environmental issues stemming from energy related activities

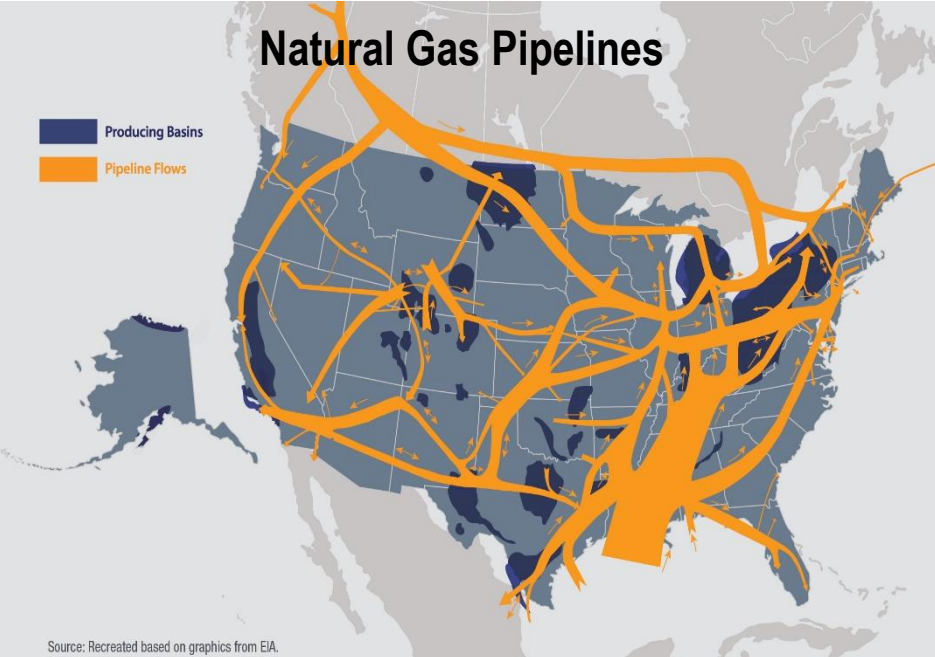
UL is widely considered a global research university in the areas of energy provision and how energy has and continues to impact our culture, economy, ecosystems, and industrial base

Many well-known energy industry leaders were born and educated in the region



Natural Gas Pipelines

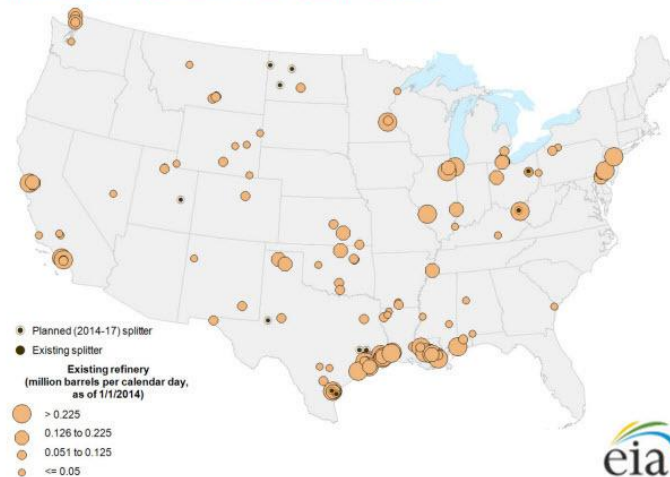
Producing Basins
Pipeline Flows



Source: Recreated based on graphics from EIA.

US Refinery Capacity

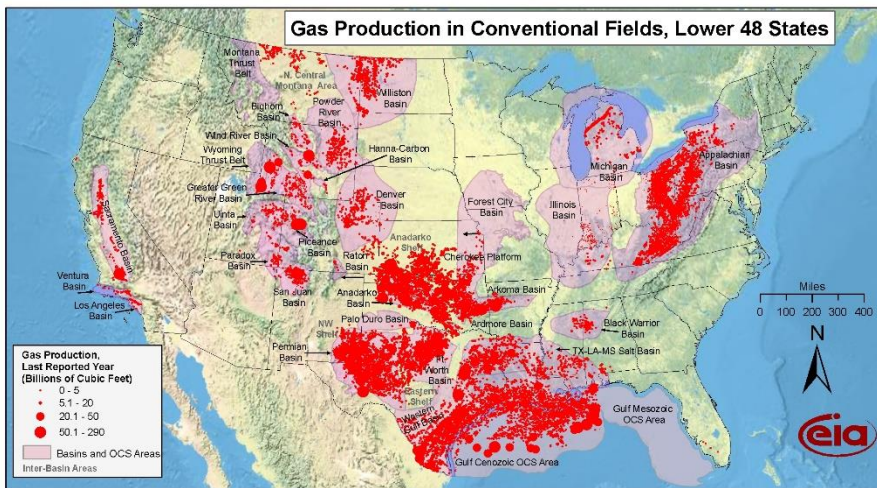
Figure 9. Existing and planned U.S. refineries and splitters, 2014



Source: U.S. Energy Information Administration, Form EIA-820, [Annual Refinery Report](#), 2014 capacity and company and industry websites.

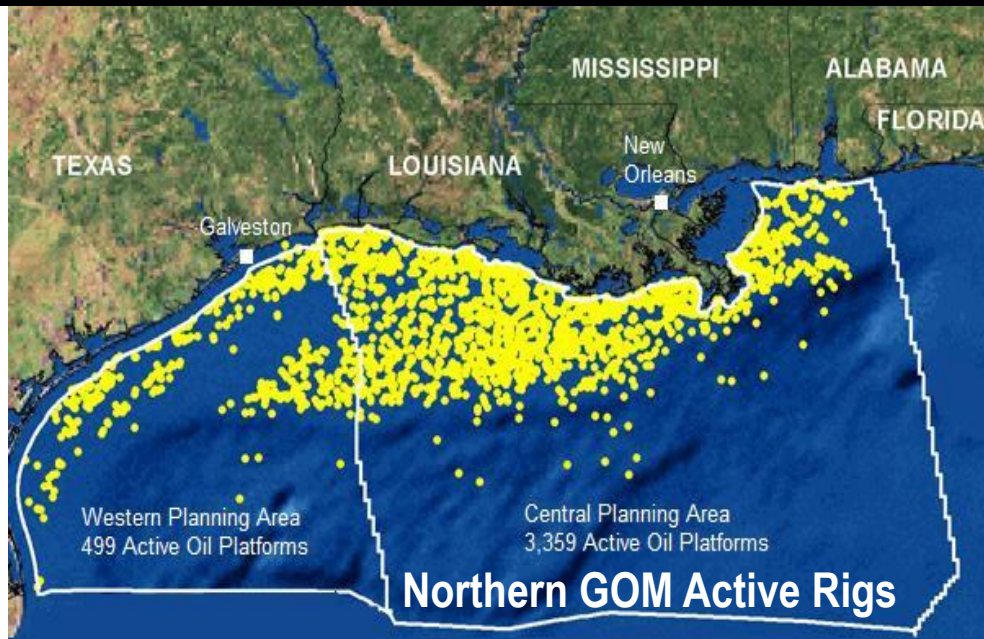
US OIL AND GAS ENERGY ACTIVITIES/POTENTIAL

Gas Production in Conventional Fields, Lower 48 States

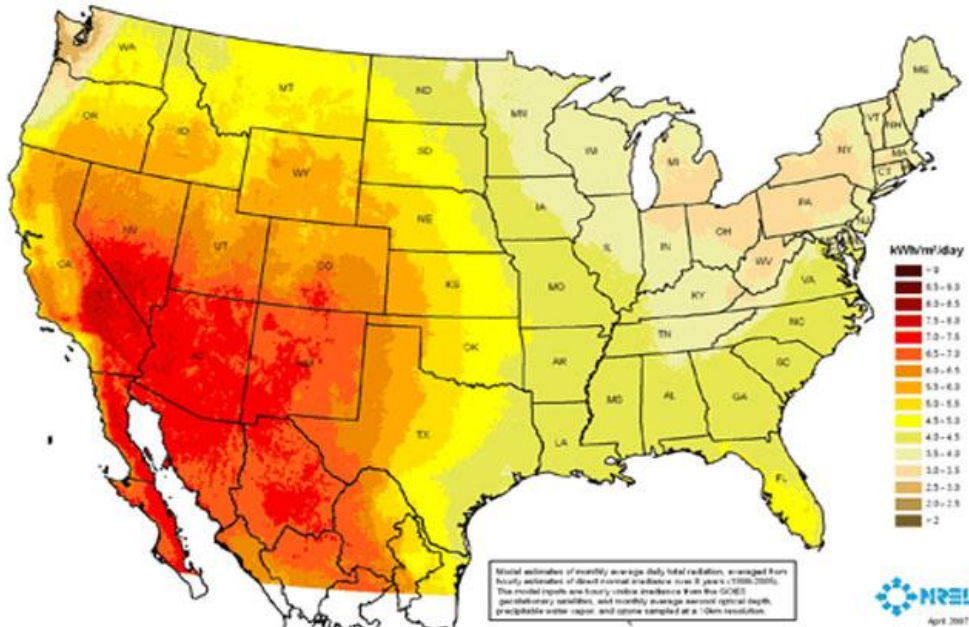


Source: Energy Information Administration based on data from HPDI, IN Geological Survey, USGS
Updated: April 8, 2009

Natural Gas Basins

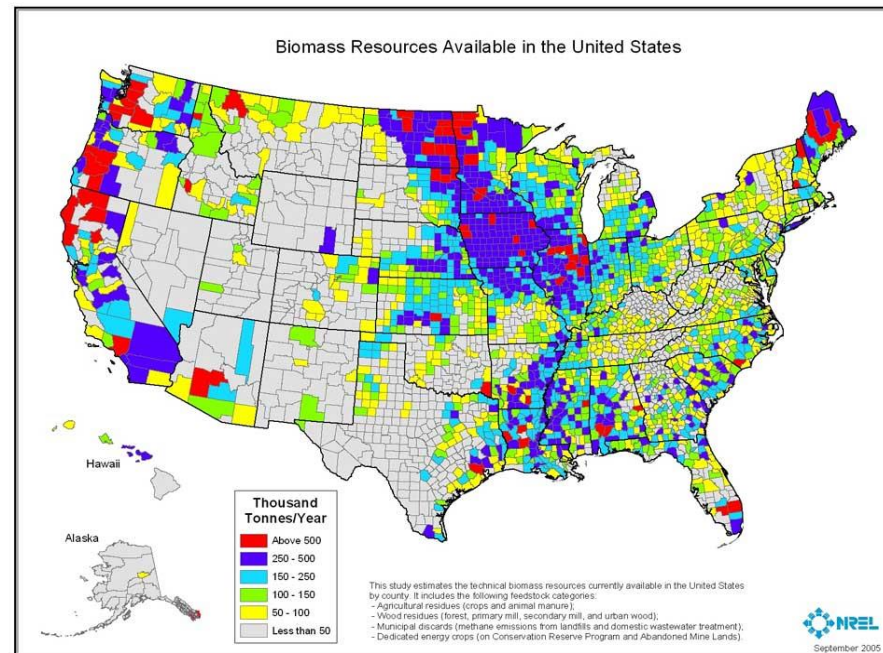


Annual Direct Normal Solar Radiation
8 Year Mean Values (1998-2005) – SUNY 10 km. Satellite Model

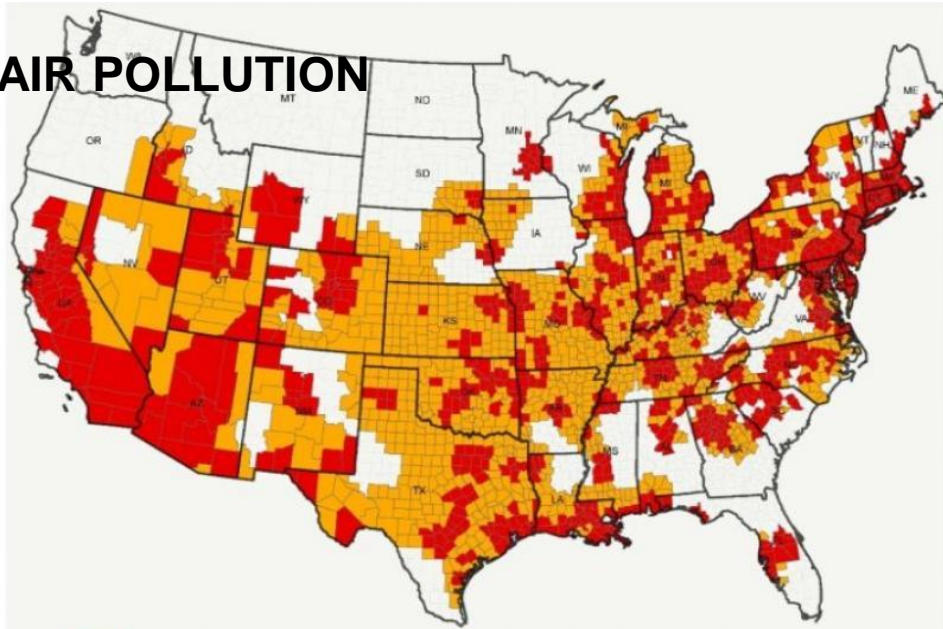


US Annual Solar Energy Flux Map

US Biomass Resource Map



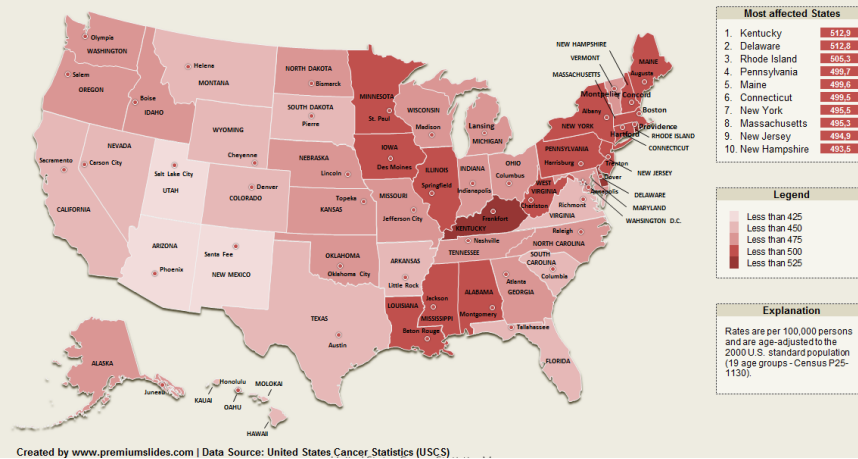
AIR POLLUTION



Red Monitored CBSAs and rural counties that would be violating a 65 ppb standard
Yellow Unmonitored areas that are anticipated to violate a 65 ppb standard based on spatial interpolation

CANCER CLUSTERS

United States Cancer Statistics combined Data 2004-2008 (Male & Female, all type of cancers)

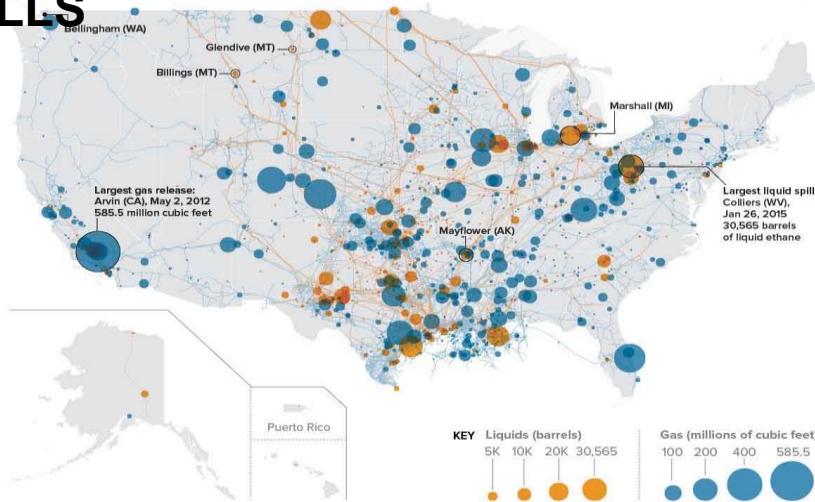


ENVIRONMENTAL HEALTH MAPS

ALL INCIDENTS IN THE UNITED STATES, 2010-15
 *By amount of liquid or gas accidentally released, through Feb. 24

TOTAL INCIDENTS 2010-15: 3,141 INJURIES 369 DEATHS 78

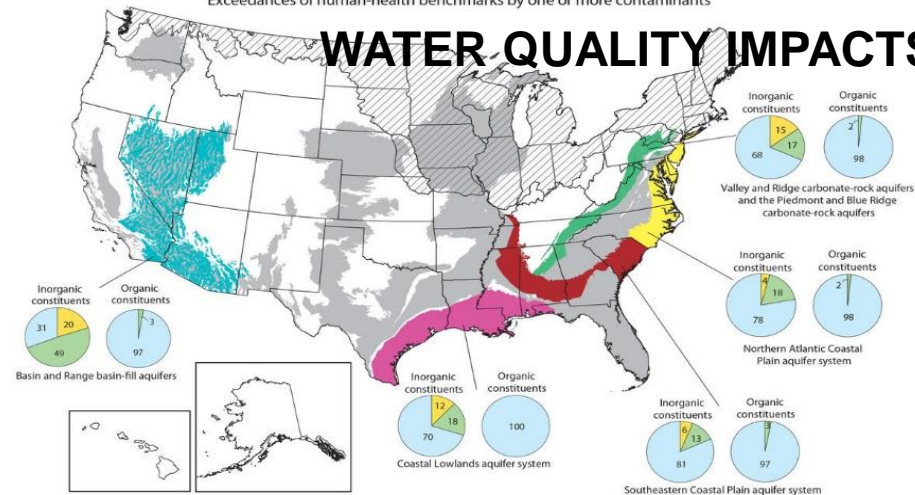
SPILLS



OVERVIEW OF WATER QUALITY

Exceedances of human-health benchmarks by one or more contaminants

WATER QUALITY IMPACTS



5W INFOGRAPHICS



University Goal

**OFFER A DIVERSE, WORLD CLASS
ENERGY EXPERT BASE AND
EDUCATIONAL PIPELINE FOR
LOUISIANA WITHIN THE UNIVERSITY
THAT FOCUSES ON ALL FORMS OF
ENERGY FROM THE TECHNICAL,
ECONOMIC, ECOLOGICAL, AND
HUMANISTIC PERSPECTIVES**

OUR VISION

Provide affordable and sustainable energy forms to the world

Ensure that all energy resources are ecologically friendly

Form global partnerships to provide affordable energy to all societies

Enhance our regional energy industry base

Train world-class future energy experts

Place UL as a global leader in the energy arena



WHY UL?

**Energy Institute
of Louisiana**



**NSF Center for Visual &
Decision Informatics
(National Big Data Center)**

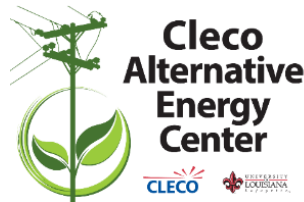
**US DOE Tuscaloosa
Marine Shale
Laboratory (\$9.2M)**



**NASA BIOS (\$2.2M)
Development Project
(Mars Mission Support)**



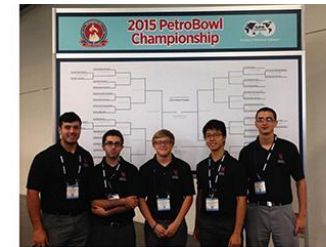
**Cleco Alternative
Energy Center (\$15M)**



**University with a Long & Strong Track
Record of Students Successfully
Competing on a Global Stage**



**GeoSciences Students Winning the 2014 Imperial Barrel Award
(Also won in 2012)**



**PETE Students Winning 1st in
North America & 2nd Place in the
World at the 2016 Petrobowl
(Won World 1st in 2012)**



**ENGR Students Winning the 2017
Green City Design Competition
(Other UL team won in 3rd Place)**

WHY UL?

UL Petroleum Engineering is ranked as No. 7 in the US & No. 13 in the World by CEOWORLD Magazine

CEOWORLD Magazine

\$4.5M NRG Solar Photovoltaic Test Facility



GoMRI Horizon Spill Impact Study (\$6.5M) on Marine Mammals in the Gulf of Mexico



Petroleum Drilling Fluids Development Project (\$1M)



Center for Louisiana Studies

The University of Louisiana (UL)



- 19,300 students enrolled in Fall 2017
- Classified as a Carnegie Higher Research Institution (same as Baylor, Auburn, Clemson, & Miss State U)
- College of Engineering is the largest under-graduate college at UL
- Generated over \$77M of Annual R&D Funds in 2015 and \$81M for 2016
- Ranked by NSF as being in the Top 15 Universities for working with industry (No. 13 - NSF, 2015)



2015 National Science Foundation US Research Universities Annual R&D Expenditures

123	Houston
131	U of Arkansas
133	New Mexico State
134	OK State U
147	Ole Miss
156	Oregon
160	UL
162	U Mass
163	Syracuse
164	Mich Tech
174	Ohio University
179	CO School of Mines
181	U of Alabama
184	U of Wyoming
192	Southern Miss
195	Boston College
199	U of Memphis
205	U of North TX
218	Missouri S&T (Formerly Rolla)
247	Baylor University
244	Tulsa
253	La Tech
268	UNO
284	Miami University



634 were ranked



TARGETED ENERGY AREAS



Offshore Petroleum



Biofuels



**Biomass to Power
& Chemicals**



**Data Management
& Security**



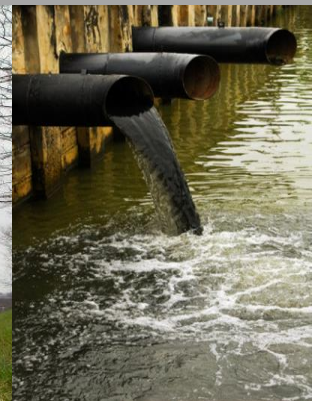
**HVAC & CHP
Power Management**



Solar Energy



**Landside Petroleum
(Fracking & EOM)**



**Ecological
Protection**

TARGETED ENERGY AREAS



Waste to Energy Concepts



Sociological Impacts of Energy & Chemical Production



Wind Energy



Micro- Power Grids



Process Intensification & Optimization



Co-Products from Energy Production



Energy Storage



Energy & Chemicals Distribution & Storage

TARGETED ENERGY AREAS



Process Inspection



Energy for Developing Communities



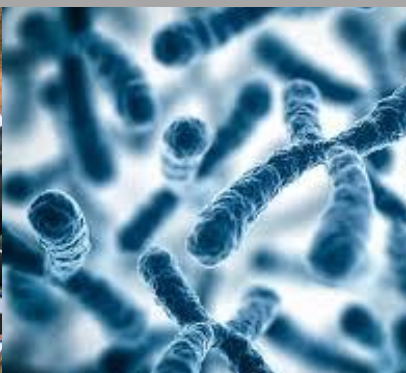
Energy Business Management



Grid Management & Security



Energy STEM-B Education (K-PhD)



Basic Science Discovery



Production Refining & Market Development



Food-Energy-Water Nexus Issues Management

TARGETED ENERGY AREAS



Fuel Cells



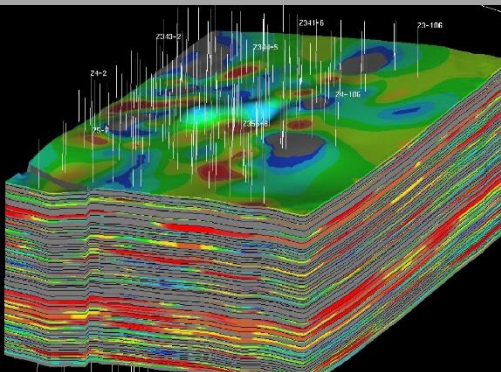
Energy Policy



Computer Modeling
& System Simulation



Feedstock Development



Reservoir Exploration
& Use Optimization



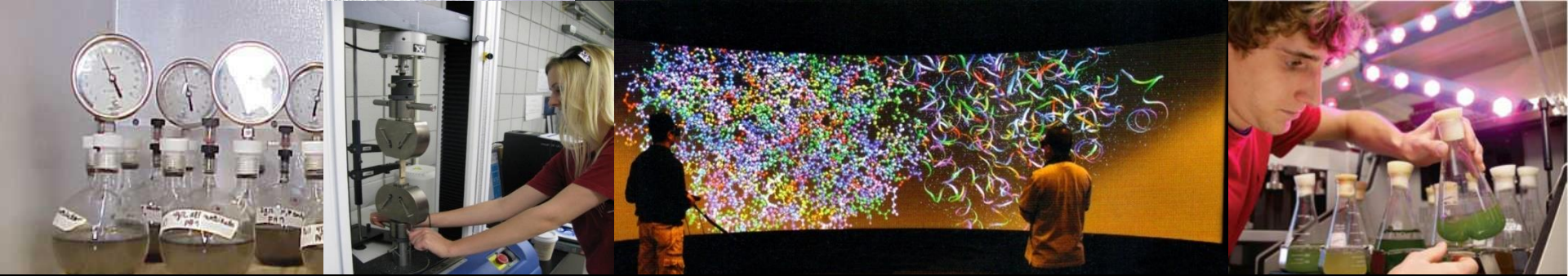
Sustainable Cities



Smart Buildings



Water Treatment



WORLD CLASS ALTERNATIVE ENERGY BENCH AND PILOT SCALE RESEARCH FACILITIES



**ENERGY INSTITUTE
OF LOUISIANA**



**UNIVERSITY OF LOUISIANA
AT LAFAYETTE**



40+ FACULTY & STAFF - OVER \$100M TEAM FUNDING HISTORY - OVER 20 INDUSTRY PARTNERS



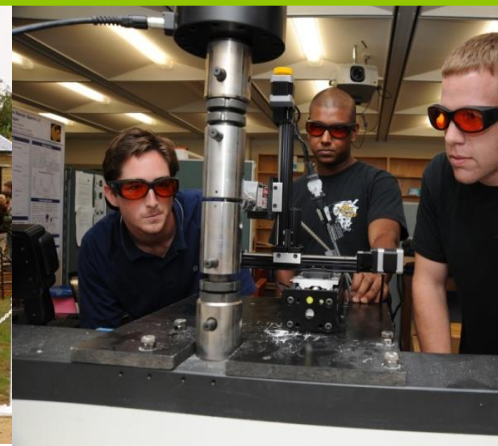


MISSION



UNIVERSITY of
LOUISIANA
L A F A Y E T T E

The Energy Institute of Louisiana at UL Lafayette will be an internationally recognized center of expertise for the development, implementation, and optimization of technologies used for the discovery, production, and management of all energy forms and the impacts of these activities on the human, economic, and ecological systems.





CURRENT Organizational Structure

Director: Dr. Mark E. Zappi

Associate Director: Dr. Rafael Hernandez

The Energy Institute Of Louisiana



Director: Dr. Boyun Guo

Center for Optimization
of Petroleum Systems

OIL & GAS INDUSTRY

Director: Dr. Terry Chambers

Center for Energy Efficiency
& Sustainable Energy

**POWER PRODUCTION
& CONSERVATION**

Director: Dr. Rafael Hernandez

Chemicals and Fuels
Development Center

**TRADITIONAL &
GREEN CHEMICALS
AND FUELS**

Director: Dr. Mark E. Zappi

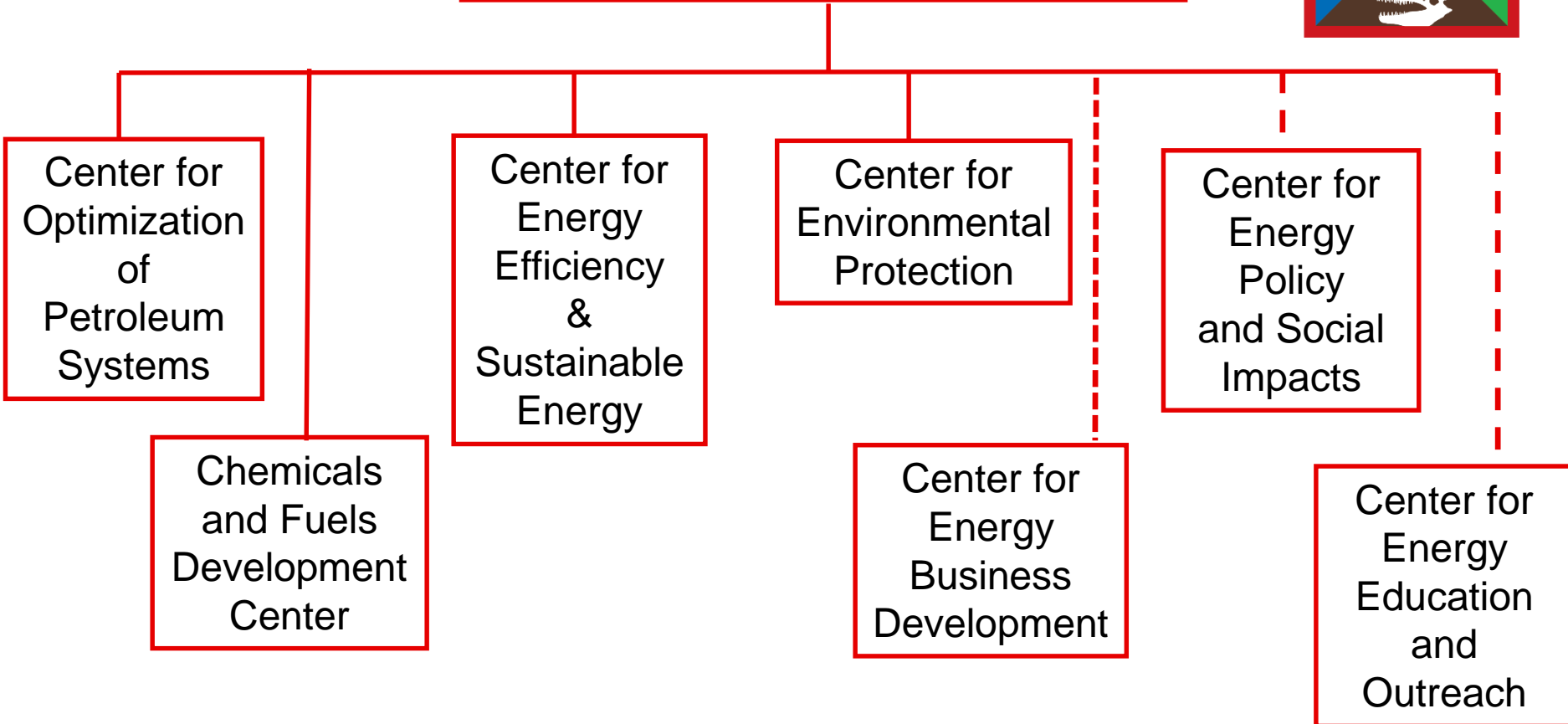
Center for
Environmental
Protection

**ECOLOGICAL
STEWARDSHIP**



ENVISIONED Expanded Institute Structure

The Energy Institute of Louisiana





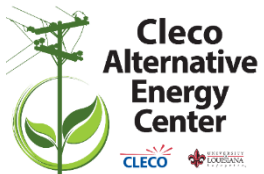
AFFILIATED ENTITIES

Cleco Alternative Energy Center

North America Energy Research Alliance

Photovoltaic Applied Research and Testing Laboratory





CLECO ALTERNATIVE ENERGY CENTER

- **EVALUATE THE FEASIBILITY OF ALTERNATIVE ENERGY PROCESSES USING ACTUAL LOUISIANA RESOURCES WITHIN AN ACTUAL LOUISIANA SETTING**
- **OPENED IN 2012 AT A TOTAL COST TO DATE OF \$13M (CLECO & DOE FUNDS)**
- **PROVIDE A DEVELOPMENT FACILITY FOR SUPPORTING ENERGY RELATED ACADEMIC ACTIVITIES**



NORTH AMERICA ENERGY RESEARCH ALLIANCE

MISSION STATEMENT

To enhance research and educational collaboration involving energy resource development between the three countries of North America

Canada, Mexico, & the United States



The Energy Institute of Louisiana

University of Louisiana at Lafayette

Center for Optimization of Petroleum Systems

Mission: To develop new sources of petroleum along with optimization of current methods with emphasis on commercialization

Lead UL Entities: Petroleum Engineering, Geosciences, & Chemical Engineering

Estimated Number of Involved Faculty: 25

Focus: Developing new technologies in the petroleum area

Example R&D areas:

- 1 – Optimization of fracking technology**
- 2 – Enhanced oil recovery using bio-based extractants**
- 3 – Enhanced models for product flow**
- 4 – Development of new control techniques for stem vibration**
- 5 – Data management and cybersecurity safeguarding**
- 6 – Improved reservoir characterization methodology**



The Energy Institute of Louisiana

University of Louisiana at Lafayette

Renewable Chemicals and Fuels Development Center

Mission: To development and commercialize alternative energy processes using environmentally friendly and ideally renewable feedstocks

Lead UL Entities: Chemical Engineering, Mechanical Engineering, Biology, Geosciences, Civil Engineering, Industrial Technology, Chemistry, Professional Land and Resource Management, & Physics

Estimated Number of Involved Faculty: 30

Focus: Developing new technologies for production of fuels and chemicals

Example R&D areas:

- 1 – Enhancing the sustainability of urban areas (waste to watts)**
- 2 – Producing microbes with high lipid levels**
- 3 – Torrefaction of wood wastes**
- 4 – Process intensification of product separation systems**
- 5 – Enhancing the thermal performance of flame systems**
- 6 – Producing higher performing catalysts for product conversion**



The Energy Institute of Louisiana

University of Louisiana at Lafayette

Center for Energy Efficiency & Sustainable Energy

Mission: To develop methods to produce, use, store, and conserve energy during both commercial and residential uses

Lead UL Entities: Mechanical Engineering, Electrical & Computer Engineering, Architecture, Chemical Engineering, Physics, Chemistry, Computer Science, Industrial Technology, Biology, and Civil Engineering

Estimated Number of Involved Faculty: 25

Focus: Developing new technologies and designs in Power Generation, Storage, Use, and Conservation

Example Projects:

- 1 – Optimization of Combined Heat and Power Systems (CHP)**
- 2 – Development of improved power use assessment methods**
- 3 – Use of smart grid technology**
- 4 – Development of smart homes**
- 5 – Optimization of battery systems for energy storage**



The Energy Institute of Louisiana

University of Louisiana at Lafayette

Center for Environmental Protection

Mission: Research methods to reduce ecological impacts of energy resource, development, & use and associated manufacturing of products

Lead UL Entities: Civil Engineering, Chemical Engineering, GeoSciences, Biology, Chemistry, Architecture, Physics, Petroleum Engineering, Computer Science, Mechanical Engineering, Electrical & Computer Engineering, and Industrial Technology

Estimated Number of Involved Faculty: 35

Focus: Developing new technologies for Environmental Protection during the Discovery, Production, Management, and Use of Energy

Example Projects:

- 1 – Design of a waste neutral housing or light industry neighborhood**
- 2 – Treatment of contaminated aquifers using bioremediation**
- 3 – Chemodynamics of heavy metal speciation within sediment systems**
- 4 – Digestion of food wastes into lipids and biogas**



The Energy Institute of Louisiana

University of Louisiana at Lafayette

Center for Energy Business Development

Mission: Provide improved business environments that favor energy industry development and growth

Lead UL Lead Entities: Economics, Finance, Marketing, Accounting, Chemical Engineering, Management, Petroleum Engineering, Professional Land and Resource Management, Informatics, Industrial Design, and Architecture

State of Organization: 60% (new venture on campus with strong interest)

Estimated Number of Involved Faculty: 40

Focus: Developing methods to improve policy and marketing of energy

Example Projects:

- 1 – Assessment of landman methods with regard to biofuels systems**
- 2 – Evaluation of federal stimulus programs on greentech processes**
- 3 – Assessment of the energy industry on Louisiana economics**
- 4 – Supply side demand management of biomass feedstocks**



The Energy Institute of Louisiana

University of Louisiana at Lafayette

Center for Energy Policy and Social Impacts

Mission: To perform research and provide policy input on issues that will ensure Continued positive integration of the energy industry within the Louisiana ecological and social frameworks

Lead UL Entities: Sociology, Psychology, Insurance & Risk Management, Communication, History, Geography, Electrical & Computer Engineering, Informatics, Computer Science, and Industrial Technology

Estimated Number of Involved Faculty: 30

Focus: Study of energy policy and how the industry impacts Louisiana society

Example Projects:

- 1 – Impact of the energy industry on the Cajun culture**
- 2 – Study of water law and its implications to biofuels production**
- 3 – Impacts of near-by industrial complexes on families**
- 4 – Cybersecurity of energy infrastructure and data banks**
- 5 – Policy impacts on regional job markets**



The Energy Institute of Louisiana

University of Louisiana at Lafayette

Center for Energy Education and Outreach

Mission: To provide a UL entity that will provide unique energy (STEM-B) educational experiences for K-PhD students and industry/government officials.

Lead UL Entities: Educational Curriculum and Instruction, University College, College of Engineering, and College of Business

Estimated Number of Involved Faculty: 15

Focus: STEM-B education of students and training opportunities for industry/government personnel on energy issues and technical processes

Example Projects:

- 1 – Summer energy camps for 6,7, and 8th graders**
- 2 – REU-like summer experience for STEM and Non-STEM UG students**
- 3 – Short courses on energy issues for industry**
- 4 – Partnerships with allied programs at UL (TRIO, Gear-Up, etc.)**
- 5 – High School teacher training (summer camp)**



ENERGY FOR A BETTER WORLD UNIVERSITY INITIATIVE

\$6.8M – Naming of the Petroleum Engineering Department:

\$1.2M for Endowed Chair in Petroleum Engineering Department Leadership (positional non-BOR for the department head of Petroleum Engineering at UL) – will yield \$45K per year for discretionary use for professional development

\$1M for an endowed account to support student activities such as the PetroBowl, API, and SPE undergraduate student activities – will yield \$40K per year

\$1.2M for a named endowed MS graduate student support fund (will fund 2 MS students at \$15K per yr stipend, \$10K/yr lab support, \$2K/yr for travel) – yields a total of \$27K per MS student each year

\$1.4M for a named endowed PhD graduate student support fund (will fund 2 PhD students at \$30K per yr stipend, \$10K/yr lab support, \$2K/yr for travel) – yields a total of \$42K per PhD student each year

\$1.5M for laboratory equipment purchases – non-endowed funds (one time)

\$500K for laboratory facility updates – non-endowed funds (one time)

\$1.6M toward an Endowed Chair in Pete: \$1.6M for Endowed Chair in Petroleum Systems within PETE (with be matched with \$800K from the BOR) – Total Initial Endowed Amount = \$2.4M with a \$400K non-endowed amount (immediate award).

\$800K toward an Endowed Chair in GeoSci: \$800K for Endowed Chair in Petroleum Systems within GeoSci (with be matched with \$400K from the BOR) – Total Initial Endowed Amount = \$1M with a \$200K non-endowed amount (immediate award).



ENERGY FOR A BETTER WORLD UNIVERSITY INITIATIVE

\$6.8M – Naming of the School of GeoSciences:

\$1.2M for Endowed Chair in GeoSci Department Leadership (positional non-BOR for the department head of GeoSci School at UL) – will yield \$45K per year for discretionary use for professional development

\$500K for an endowed account to support student activities such as the PetroBowl, API, and SPE undergraduate student activities – will yield \$20K per year

\$1.2M for a named endowed MS graduate student support fund (will fund 2 MS students at \$15K per yr stipend, \$10K/yr lab support, \$2K/yr for travel) – yields a total of \$27K per MS student each year

\$1.4M for a named endowed PhD graduate student support fund (will fund 2 PhD students at \$30K per yr stipend, \$10K/yr lab support, \$2K/yr for travel) – yields a total of \$42K per PhD student each year

\$1M for laboratory equipment purchases – non-endowed funds (one time)

\$500K for laboratory facility updates – non-endowed funds (one time)

\$1M for an endowed department discretionary fund - - yields \$45K/yr

\$1.2M – Named Endowed Energy PhD Student Full Fellowship: \$1M for a named endowed account for support of one PhD student in an energy focused study which provides an annual \$30K stipend and \$15K per year of student support funding. Also, \$200K for an initiation fund to immediately offer the fellowship.

\$380K toward an Endowed Energy Undergraduate Student R&D Job: Provides \$15/hr along with \$100/week of support funds to an undergraduate student working in an energy focused area for an academic year 20 hr/week job. Also includes a \$60K initiation non-endowed funding line.



ENERGY FOR A BETTER WORLD UNIVERSITY INITIATIVE

\$800K toward an Endowed Chair in Industrial Sociology: \$800K for Endowed Chair in Industrial, Environmental, and Energy Studies within Sociology (will be matched with \$400K from the BOR) – Total Initial Endowed Amount = \$1M with a \$200K non-endowed amount (immediate award).

\$800K toward an Endowed Chair in Architecture: \$800K for Endowed Chair in Smart Energy Studies within Architecture (matched with \$400K from the BOR) – Total Initial Endowed Amount = \$1M with a \$200K non-endowed amount (immediate award).

\$800K toward an Endowed Chair in Energy STEM Studies: \$800K for Endowed Chair in Energy STEM Education within the College of Education (matched with \$400K from the BOR) – Total Initial Endowed Amount = \$1M with a \$200K non-endowed amount (immediate award).

\$1.6M toward an Endowed Chair in Power Systems (EECE): \$1.2M for Endowed Chair in power systems such as smart grids and/or grid security (matched with \$400K from the BOR) – Total Initial Endowed Amount = \$2M with a \$400K non-endowed amount (allowance for immediate award).

\$1.6M toward an Endowed Chair in CHEE: \$1.6M for Endowed Chair in Energy Systems within CHEE (will be matched with \$800K from the BOR) – Total Initial Endowed Amount = \$2.4M with a \$400K non-endowed amount (immediate award).



ENERGY FOR A BETTER WORLD UNIVERSITY INITIATIVE

\$7.7M – Naming of the Chemical Engineering Department:

\$1.2M for Endowed Chair in Petroleum Engineering Department Leadership (positional non-BOR for the department head of Petroleum Engineering at UL) – will yield \$45K per year for discretionary use for professional development

\$1M for an endowed account to support student activities such as the CHEM-E, AIChE, and ACC undergraduate student activities – will yield \$40K per year

\$1M for an endowed account to support new (non-tenured TT faculty) development – will yield \$40K per year

\$1.2M for a named endowed MS graduate student support fund (will fund 2 MS students at \$15K per yr stipend, \$10K/yr lab support, \$2K/yr for travel) – yields a total of \$27K per MS student each year

\$1.4M for a named endowed PhD graduate student support fund (will fund 2 PhD students at \$30K per yr stipend, \$10K/yr lab support, \$2K/yr for travel) – yields a total of \$42K per PhD student each year

\$1M for laboratory equipment purchases – non-endowed funds (one time)

\$500K for laboratory facility updates – non-endowed funds (one time)

\$120K toward an Endowed Professorships in Energy Studies: Will fund non-BOR professorships for any faculty member at UL studying energy-related issues – Total Initial Endowed Amount = \$100K with a \$20K non-endowed amount (immediate award).

\$80K toward an Endowed PhD Fellowships in Energy Studies: Will fund BOR matched (\$40K) for any PhD at UL studying energy-related issues – Total Initial Endowed Amount = \$100K with a \$20K non-endowed amount (immediate award).



The Energy Institute of Louisiana

University of Louisiana at Lafayette

INSTITUTE WIDE GIVING OPPORTUNITIES

\$6.7M – EIL Naming (Perpetuity):

\$2M - Endow \$2M to provide \$30,000 each year for support of 3 energy focused PhD students (UL provides tied tuition waivers); includes endowing \$750K to provide laboratory costs and travel to support the 3 PhD students (\$11K each of annual support).

\$2M – Endow an annual equipment purchase fund – yield \$90K per year

\$2M – Endows an annual discretionary fund – yields \$90K per year

\$556K – Endow \$25K per yr stipend to the EIL executive director

\$132K – Initiation non-endowed fund to allow immediate use of all funds

\$14M – New EIL Energy Studies Research Facility Naming (Perpetuity):

\$10M – Design and construct a home on campus for the EIL

\$2M – Equipment purchases

\$2M – Endows an annual discretionary support fund – yields \$90K per year

\$1.15M – EIL Energy Analytics Laboratory Naming (Perpetuity):

\$150K – Non-endowed, one-time funds used to renovate the physical facilities of the 3 analytical EIL labs

\$500K – Non-endowed equipment purchases

\$500K – Endows a long-term maintenance fund – yields \$22.5K per year



The Energy Institute of Louisiana

University of Louisiana at Lafayette

INSTITUTE WIDE GIVING OPPORTUNITIES

\$1.15M – EIL Energy Process Development Laboratory Naming (Perpetuity):

\$150K – Non-endowed, one-time funds used to renovate the physical facilities of the 3 analytical EIL labs

\$500K – Non-endowed equipment purchases

\$500K – Endows a long-term maintenance fund – yields \$22.5K per year

\$1.35M – EIL Energy STEM Summer Camp Naming (Perpetuity):

\$450K – Endowed funds for camp director 2 months of summer salary (\$20K per year)

\$667K – Endowed funds for operational expenses (\$30K/yr)

\$215K – Endowed funds for 2 summer students (2 months at 40 hr/wk for 2 mos)

\$1.2M – Named Endowed EIL PhD Student Full Funded Fellowships: \$1M for a named endowed account for support of one PhD student in an energy focused study which provides an annual \$30K stipend and \$15K per year of student support funding. Also, \$200K for an initiation fund to immediately offer the fellowship.

\$485K – Named Endowed EIL MS Student Full Funded Fellowships: \$445K for a named endowed account for support of one MS student in an energy focused study which provides an annual \$15K stipend and \$5K per year of student support funding. Also, \$40K for an initiation fund to immediately offer the fellowship.



The Energy Institute of Louisiana

University of Louisiana at Lafayette

Center for Optimization of Petroleum Systems Potential Gifts

\$2.75M – Center Naming: Endow \$2M to provide \$30,000 each year for support of 3 PhD students (UL provides tied tuition waivers); Endow \$750K to provide laboratory costs and travel to support the 3 PhD students (\$11K each of annual support). Students will be divided as 2 for PETE and 1 for GeoSci.

\$1.5M – Naming of PETE Fracking Lab: \$800K for equipment for a fracking technology R&D laboratory; \$500K of endowed maintenance funds for the fracking technology R&D laboratory (75% annual rollover to non-endowed fund account); & \$200K one-time for laboratory physical upgrade.

\$1.7M – Naming of GeoSci Reservoir GeoChemistry Lab: \$1M for equipment for a geochemistry R&D laboratory; \$500K of endowed maintenance funds for the fracking technology R&D laboratory (75% annual rollover to non-endowed fund account); & \$200K one-time for laboratory physical upgrade.

\$223K – Endowed COPS Director Stipend: Endow \$223K toward an endowed stipend account for the COPS director. Will yield an annual \$10K of a stipend for the COPS director with \$30K set-up as a non-endowed initiation fund. No BOR funds will be targeted for this fund since its positional.

\$75K – GC for the GeoSci Petro Labs: Provides one-time purchase of a GC system for characterizing organic compounds in petroleum matrices.



The Energy Institute of Louisiana

University of Louisiana at Lafayette

Renewable Chemicals and Fuels Development Center Potential Gifts

\$550K – Naming of CHEE Unit Operations Teaching Lab (Perpetuity):

\$150K for room renovation
\$150K for teaching stations
\$50K for lab furniture
\$200K for long-term lab maintenance

\$500K – Naming of Biology Industrial Microbiology Lab (Perpetuity):

\$100K for room renovation
\$300K for equipment
\$100K for lab furniture

\$450K – Naming of EIL Fermentation Lab (Perpetuity):

\$100K for room renovation
\$300K for equipment
\$50K for lab furniture

\$270K – Purchase of Lipid Separations Apparatus:

\$250K for CO₂ critical fluid extraction system
\$20K for lab furniture



The Energy Institute of Louisiana

University of Louisiana at Lafayette

Renewable Chemicals and Fuels Development Center Potential Gifts - Page 2

\$330K – Purchase of GTL R&D System:

\$300K for bench top GTL system

\$30K for furniture

\$750K – Naming of Chemistry Organics Synthesis Lab (Perpetuity):

\$150K for room renovation

\$500K for equipment

\$100K for lab furniture

\$223K – Endowed RCFDC Director Stipend: Endow \$223K toward an endowed stipend account for the COPS director. Will yield an annual \$10K of a stipend for the COPS director with \$30K set-up as a non-endowed initiation fund. No BOR funds will be targeted for this fund since its positional.

\$600K – Naming of Chemistry Inorganic Catalysis Lab (Perpetuity):

\$150K for room renovation

\$300K for equipment

\$150K for lab furniture



The Energy Institute of Louisiana

University of Louisiana at Lafayette

Center for Energy Efficiency & Sustainable Energy Potential Gifts - Page 1

\$300K – Naming of CHEE Battery Development Lab (Perpetuity):

\$150K for room renovation
\$100K for analytical systems
\$50K for lab furniture

\$325K – Naming of MCHE HVAC Development Lab (Perpetuity):

\$75K for room renovation
\$200K for analytical systems
\$50K for lab furniture

\$223K – Endowed CEESE Director Stipend: Endow \$223K toward an endowed stipend account for the CEESE director. Will yield an annual \$10K of a stipend for the CEESE director with \$30K set-up as a non-endowed initiation fund. No BOR funds will be targeted for this fund since its positional.

\$350K – Naming of EECE Smart Grid Development Lab (Perpetuity):

\$150K for room renovation
\$100K for analytical systems
\$100K for lab furniture



The Energy Institute of Louisiana

University of Louisiana at Lafayette

Center for Energy Efficiency & Sustainable Energy

Potential Gifts - Page 2

\$1.1M – Naming of Smart Building Design Studio (Perpetuity):

\$300K for room renovation
\$100K for IT systems
\$100K for lab furniture
\$300K for work stations
\$300K for long-term sustaining

\$3.5M – New Solar Energy Testing and Research Facility Naming (Perpetuity):

\$1.5M – Design and construct of facility
\$1M – Equipment purchases
\$1M – Endows an annual discretionary support fund – yields \$45K per year

\$950K – EECE Power Teaching & Research Laboratory Naming (Perpetuity):

\$150K – Renovate laboratory
\$500K – Equipment purchases
\$300K – Endows an annual discretionary support fund – yields \$13.5K per year



The Energy Institute of Louisiana

University of Louisiana at Lafayette

Center for Energy Efficiency & Sustainable Energy

Potential Gifts - Page 3

\$900K – Naming of Cybersecurity Technology Laboratory in EECE (Perpetuity):

\$150K for room renovation
\$100K for IT systems
\$50K for lab furniture
\$300K for work stations
\$300K for long-term sustaining

\$1.1M – CHEE Fuel Cell Development Laboratory (Perpetuity):

\$300K – Design and construct of facility
\$500K – Equipment purchases
\$300K – Endows an annual discretionary support fund – yields \$45K per year

\$800K – EECE Controls Laboratory Naming (Perpetuity):

\$125K – Renovate laboratory and obtain furniture
\$475K – Equipment purchases
\$200K – Endows an annual discretionary support fund – yields \$9K per year



The Energy Institute of Louisiana

University of Louisiana at Lafayette

Center for Environmental Protection

Potential Gifts – Page 1

\$850K – Naming of Environmental Engineering Teaching Laboratory in CIVE (Perpetuity):

\$150K for room renovation
\$300K for equipment
\$100K for lab furniture
\$300K for long-term sustaining

\$850K – Naming of Environmental Processes Laboratory in GeoSci (Perpetuity):

\$150K for room renovation
\$300K for equipment
\$100K for lab furniture
\$300K for long-term sustaining

\$650K – Naming of Environmental Engineering R&D Laboratory in CIVE (Perpetuity):

\$75K for room renovation
\$300K for equipment
\$75K for lab furniture
\$200K for long-term sustaining (\$9K per year)



The Energy Institute of Louisiana

University of Louisiana at Lafayette

Center for Environmental Protection

Potential Gifts – Page2

\$1.1M – Naming of Ecology Laboratory in Biology (Perpetuity):

\$200K for room renovation
\$500K for equipment
\$100K for lab furniture
\$300K for long-term sustaining

\$1.1M – Naming of Treatment Process Mechanisms Laboratory in Chemistry (Perpetuity):

\$150K for room renovation
\$600K for equipment & lab furniture
\$300K for long-term sustaining

\$223K – Endowed CEP Director Stipend: Endow \$223K toward an endowed stipend account for the CEP director. Will yield an annual \$10K of a stipend for the CEP director with \$30K set-up as a non-endowed initiation fund. No BOR funds will be targeted for this fund since its positional.



The Energy Institute of Louisiana

University of Louisiana at Lafayette

Center for Energy Business Development

Potential Gifts

\$9K – Naming of Energy Economics Laboratory & Studio in Business (Perpetuity):

\$200K for room renovation

\$500K for work stations and furniture

\$200K for long-term sustaining (\$9K/yr)

\$223K – Endowed CEBD Director Stipend: Endow \$223K toward an endowed stipend account for the CEBD director. Will yield an annual \$10K of a stipend for the CEBD director with \$30K set-up as a non-endowed initiation fund. No BOR funds will be targeted for this fund since its positional.

\$300K – Endowed/Named Student Travel Fund for Energy Economics Studies: Endow \$300K toward an endowed account to support the travel of business majors to study both in the US and abroad business methods to enhance the energy industry.



The Energy Institute of Louisiana

University of Louisiana at Lafayette

Center for Energy Policy and Social Impacts

Potential Gifts

\$900K – Naming of Energy Policy Studio in Liberal Arts (Perpetuity):

\$200K for room renovation

\$500K for work stations and furniture

\$200K for long-term sustaining (\$9K/yr)

\$223K – Endowed CEPSI Director Stipend: Endow \$223K toward an endowed stipend account for the CEPSI director. Will yield an annual \$10K of a stipend for the CEPSI director with \$30K set-up as a non-endowed initiation fund. No BOR funds will be targeted for this fund since its positional.

\$300K – Endowed/Named Student Travel Fund for Energy Policy Studies: Endow \$300K toward an endowed account to support the travel of business and liberal arts majors to study both in the US and abroad policy centers and how they impact the energy industry.

\$900K – Naming of Energy Law Studio in Business (Perpetuity):

\$200K for room renovation

\$500K for work stations and furniture

\$200K for long-term sustaining (\$9K/yr)



The Energy Institute of Louisiana

University of Louisiana at Lafayette

Center for Energy Education and Outreach

Potential Gifts

\$900K – Naming of Energy Distance Education Studios (Perpetuity):

\$200K for room renovation (2 studios)

\$500K for equipment and furniture

\$200K for long-term sustaining (\$9K/yr)

\$223K – Endowed CEEO Director Stipend: Endow \$223K toward an endowed stipend account for the CEEO director. Will yield an annual \$10K of a stipend for the CEEO director with \$30K set-up as a non-endowed initiation fund. No BOR funds will be targeted for this fund since its positional.

\$2.3K – Endowed (Named) Energy Summer Camp: Endow \$300K toward an endowed account to support a two week summer camp for 6-8th grade students - \$100K annual budget (housed in the College of Ed).

\$1.225M – Traveling Energy Education Unit (can do this without the support fund):

\$75K – Van and trailer.

\$150K – Education stations

\$1M – Endowed account to support the activities of the unit (\$45K/yr)

REQUIRED STEPS FOR UL TO MEET ITS FULL POTENTIAL

Improved R&D and Teaching Facilities

Faculty Support with University Initiated Cluster Hiring

Graduate Student Support (MS & PhD)

Industry Interaction and Investment

New and Innovation Teaching Portfolios

Increased National and Interactional Exposure





**Envisioning Tomorrow's Energy
at UL Today**

UL College of Engineering Funding Priorities

College Needs	Amount	Endowed	Ranking	Status
New Engineering Building - Teaching & Administration	\$ 60,000,000			
Madison Hall Renovation & Remodelling (not laboratories renovation)	\$ 10,000,000			
College Naming Opportunity	\$ 20,000,000	Y		
Student Activity Support	\$ 3,500,000	Y		
Annual Equipment Purchases	\$ 3,000,000	Y		
College Retention Coordinator	\$ 2,700,000	Y		
Faculty Development Fund	\$ 2,000,000	Y		
College Teaching Enhancement	\$ 1,500,000	Y		
Chair for Dean	\$ 1,200,000	Y		
College Construction & Renovation Project Manager	\$ 750,000	Y		
Multi-Use Materials Testing and Development Laboratory	\$ 300,000			
Air Condition and Prep for Large Materials Testing Facility	\$ 200,000			
Annual Faculty Awards (multiple)	\$ 12,000	Y		

Civil Engineering	Amount	Endowed	Ranking	Status
Department Naming Opportunity	\$ 8,000,000	Y		
Endowed Chair *no LBOR match	\$ 1,500,000	Y	HOLD	
Endowed Chair *LBOR Match	\$ 1,200,000	Y	HOLD	
Materials Laboratory	\$ 150,000			Funded
Environmental Laboratory	\$ 200,000			
Materials Large Scale Testing Facility	\$ 1,500,000			

Chemical Engineering	Amount	Endowed	Ranking	Status
Department Naming Opportunity	\$ 8,000,000	Y		
Endowed Chair *no LBOR match	\$ 1,500,000	Y		
Endowed Chair *LBOR Match	\$ 1,200,000	Y		
Student Activity Support	\$ 1,000,000	Y		
Faculty Development	\$ 1,000,000	Y		
PhD student lines Fellows	\$ 1,000,000	Y		
Equipment Purchase Funds	\$ 1,000,000	Y		
Unit Operations Laboratory	\$ 300,000		1	
Materials Development Laboratory	\$ 150,000			
Fuels Development Laboratory	\$ 150,000			

Electrical & Computer Engineering	Amount	Endowed	Ranking	Status
Department Naming Opportunity	\$ 8,000,000	Y		
Endowed Chair *no LBOR match	\$ 1,500,000	Y		

Endowed Chair *LBOR Match	\$	1,200,000	Y	
Student Activity Support	\$	1,000,000	Y	
Faculty Development	\$	1,000,000	Y	
PhD student lines Fellows	\$	1,000,000	Y	
Equipment Purchase Funds	\$	1,000,000	Y	
Satellite Development Laboratory	\$	150,000		Funded
Circuits Laboratory	\$	100,000		
Robotics Laboratory	\$	150,000		
Controls Laboratory	\$	150,000		

Industrial Technology	Amount	Endowed	Ranking	Status
Department Naming Opportunity	\$	8,000,000	Y	
Endowed Chair *no LBOR match	\$	1,500,000	Y	
Endowed Chair *LBOR Match	\$	1,200,000	Y	
Student Activity Support	\$	1,000,000	Y	
Faculty Development	\$	1,000,000	Y	
PhD student lines Fellows	\$	1,000,000	Y	
Equipment Purchase Funds	\$	1,000,000	Y	
Undergraduate Scholarships	\$	500,000	Y	
Robotics Laboratory	\$	100,000		
Manufacturing Laboratory	\$	250,000		
Controls Laboratory	\$	175,000		

Mechanical Engineering	Amount	Endowed	Ranking	Status
Department Naming Opportunity	\$	8,000,000	Y	
Endowed Chair *no LBOR match	\$	1,500,000	Y	
Endowed Chair *LBOR Match	\$	1,200,000	Y	
Student Activity Support	\$	1,000,000	Y	
Faculty Development	\$	1,000,000	Y	
PhD student lines Fellows	\$	1,000,000	Y	
Equipment Purchase Funds	\$	1,000,000	Y	
Robotics R&D Laboratory	\$	2,000,000		
Robotics Testing Laboratory	\$	150,000		
Biomechanical Engineering / Artificial Heart R&D Center	\$	2,000,000		
HVAC Testing & Education Laboratory	\$	1,500,000		
Energy Services Laboratory	\$	200,000		Funded

Petroleum Engineering	Amount	Endowed	Ranking
Department Naming Opportunity	\$	8,000,000	Y
Endowed Chair *no LBOR match	\$	1,500,000	Y
Endowed Chair *LBOR Match	\$	1,200,000	Y
Student Activity Support	\$	1,000,000	Y
Faculty Development	\$	1,000,000	Y
PhD student lines Fellows	\$	1,000,000	Y
Equipment Purchase Funds	\$	1,000,000	Y
Visualization Facility	\$	300,000	

Drilling Simulations Laboratory	\$	200,000	1	50% Funde
Materials Testing Laboratory	\$	500,000		

Student Needs		Amount	Endowed	Ranking
IEEE Student Lounge	\$	150,000		
EECE Senior Design Laboratory	\$	100,000		
MCHE Senior Design Studio	\$	150,000		
PETE Student Lounge	\$	150,000		
Graduate Student Support/Scholarships LBOR	\$	80,000	Y	
Leadership Scholarships (individual/30 students)	\$	25,000	Y	
Leadership Scholarship Program	\$	360,000	Y	
Student Annual Awards (multiple)	\$	12,000	Y	

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UNIVERSITY of
LOUISIANA
L A F A Y E T T E

College of Nursing and Allied Health Professions

Advancing Health, Driving Innovation

(The 70th anniversary of the college is 3 years from now – 2021. Tie in to the 70th milestone? For 70 years, the focus has been primarily on workforce development. Transition to a dual role to include focus on a research mission for the college)

Executive Summary of Need:

- *One of the largest and most effective (in terms of outcomes) nursing programs in the country is housed in a building which was constructed in the late 1950s during a time when the college was a College of Nursing only and when the nursing program was a significantly smaller program. In the interim, the College has grown to encompass allied health programs, student numbers have increased exponentially, and technologies essential to the education of students in the health professions have proliferated. In addition, the building is shared with other entities including Communication, Biology, and other departments. Despite pressure from employers to do so, expansion of current nursing and allied health programs and creation of new programs to meet workforce and societal needs is severely compromised due to the constraints of the current physical location and environment.*
- *The most renowned nursing colleges in the country serve a dual purpose - education of pre-licensure, RN to BSN, master's and doctoral students to meet the country's need for an ever-expanding healthcare workforce while at the same time providing an environment where nurse scientists and scholars contribute to the scientific base of the discipline while improving health care outcomes. Historically, the College of Nursing and Allied Health Professions at UL Lafayette has been focused almost exclusively on educating the health care workforce. We are unable to optimize relationships with internal and external research partners to actualize a transdisciplinary approach to research and to advance the research mission for the college due to lack of a research infrastructure and physical space.*

College Highlights:

One of the largest pre-licensure programs in nursing in the country with an enrollment of about 2300 students in the Department of Nursing

- Long history of some of the highest NCLEX-RN pass rates in the country

- The 10th largest RN to BSN program in the country with approximately 700 students enrolled in that track in Summer 2018
- Pass rates on the RHIA exam by HIM students consistently some of the highest in the country
- The Simulation Program in the Department of Nursing is one of approximately 100 simulation programs internationally to have been awarded accredited status by the Society for Simulation in Healthcare
- The college is home to the only “Super Chair” position in Louisiana

Selected Student Outcomes:

100% pass rate for BSN students on the NCLEX-RN, December 2017 class

100% pass rate for HIM students on the RHIA exam in 2017

100% pass rate for FNP students on the FNP certification exam in 2017

Current and Projected Needs for Nurses, Advanced Practice Nurses, and Health Professionals

A 2018 report released by a global health care staffing company predicts the US alone will require an additional 4 million new health care workers by 2025 to meet the healthcare-related demands of the aging population in this country. Other factors driving the shortage, for nurses in particular, are the need for chronic disease management and factors related to the obesity, opioid, mental health, and violence crises in the US which increase the likelihood of access to health care services. A persistent and pronounced shortage of skilled health care professionals – including nurses, nurse practitioners, doctors, and non-clinical professionals – is gaining momentum and thousands of positions are expected to remain unfilled due to the shortage of qualified professionals. Healthcare professional shortages are especially acute in rural areas in virtually all geographic regions of the country. There is a global shortage of nurses and the shortage in the nursing profession is reaching critical levels in many areas of the US as experienced nurses are retiring in large numbers without enough new graduates entering the profession to replenish the workforce. The persistent nursing shortage results in serious negative financial impacts to hospitals as labor comprises more than half of most hospitals’ operating revenue and nurses are often the largest segment of the labor pool in hospitals. In addition, hospitals are spending more money to recruit qualified nurses and to retain experienced nurses due to the shortage.

Organizational Overview:

The College of Nursing was established in 1951 at then Southwestern Louisiana Institute. Twenty-five students were initially accepted into the nursing program that year. The first six students graduated from the nursing program in 1955. Today, the College of Nursing and Allied Health Professions is comprised of two departments, the Department of Nursing which enrolled over 2300 students in the Fall 2017 semester, and the Department of Allied Health which enrolled about 250 students. The college employs approximately 60 full-time faculty, 11 part-time/adjunct faculty and 15 full-time staff members.

The Department of Nursing offers pre-licensure (bachelor of science in nursing), RN to BSN, master’s and doctoral programs. The Department of Allied Health offers bachelor’s programs in dietetics, health information management, and health services administration. All programs in the college maintain full accreditation status. The Department of Nursing also sponsors a nationally accredited Continuing Education Program. The Simulation

Program in the Department of Nursing is one of only 100 programs internationally to have achieved accreditation by the Society for Simulation in Healthcare.

The College is closely affiliated with the Louisiana Center for Health Innovation (LCHI) and is currently engaged in a national search for a prestigious “Super Chair” resulting from integrating two Endowed Chairs within the College of Nursing and Allied Health Professions. This Super Chair is the only one of its kind in all of Louisiana, dedicated to improving population and public health outcomes through translational science, informatics and innovation. The holder of the “Super Chair” will also serve as the LCHI Director.

The LCHI rests on the foundations of a large, multi-year, multi-million dollar on-going strategic innovation partnership between the University and the Louisiana Department of Health (LDH), growing collaborations with the Office of the Chief Technology Officer of the US Health and Human Services (HHS), and extraordinarily strong partnerships between UL Lafayette, UL System universities, and a vibrant healthcare ecosystem comprising of healthcare providers, payers and other stakeholders within the region and across the State of Louisiana. *The Center seeks to impact population health and public health outcomes through the translation of basic and clinical research; application of clinical and health informatics; data science and analytics; as well as support for the acceleration of innovation and entrepreneurial activities.*

The LCHI combines faculty from multiple colleges across the university in such diverse areas of expertise as computer science, health informatics, big data, *nursing*, and psychology. In addition, the LCHI is staffed with full-time research professionals in the areas of health informatics, data analytics, business intelligence, visualization, geospatial solutions, enterprise computing, and software development. Further, the center accesses experienced administrative, project management, proposal development, and contract management staff in place at the Informatics Research Institute that houses the Center.

The Center’s vision and focus are in strong alignment with the strategic research priorities of the University; the economic development priorities of the region and the state of Louisiana to grow the healthcare sector; the vision of the Secretary of the Louisiana Department of Health to leverage their partnership with UL Lafayette to improve public health outcomes in Louisiana through innovation; and Louisiana’s Congressional delegation’s vision to improve Louisiana’s reputation as a healthcare innovator by leveraging UL Lafayette’s and UL System’s assets in the areas of Life Sciences and Computing.

LCHI is a component of the University Research Division’s Informatics Research Institute (IRI). IRI and its component centers enable multidisciplinary R&D in the transformation of information to solve problems that benefit society, with applications in such areas as healthcare, homeland security, and disaster resiliency. IRI is home to the Center for Visual and Decision Informatics (CVDI), a multi-university, multi-industry consortium established and funded by the National Science Foundation (NSF), and designated as the **nation’s ONLY** NSF Center of Excellence that focuses on data science and producing the next-generation innovations in Big Data management, analytics, and visualization.

For over 15 years, the University has collaborated with the Louisiana Department of Health (LDH) to develop data-driven analytical tools, decision support systems, and business intelligence solutions that promote health delivery, population health and health outcomes across the state. This partnership involves software architects, data scientists, BI analysts,

and software developers of the university, working alongside multiple LDH stakeholders including the Secretary, and her/his leadership team in designing, developing, and maintaining systems across the agency for the assessment and evaluation of policy implementation, performance, and quality outcomes while ensuring privacy and security of data. LCHI has been established to coalesce the University's healthcare innovation work into a center with a focused health-oriented mission. LCHI has a staff of approximately 35 healthcare informatics professionals and an active funded research portfolio of over \$11 million that will support the new LCHI Director's efforts to build a national research program. The University's active partnerships with healthcare partners within the regional healthcare ecosystem, LDH and REACHnet/PCORNet gives us access to over 5 million patient records across Louisiana and southeastern Texas regions.

About the Regional Healthcare Ecosystem:

The original "Hub City" for the oil and gas industry, Lafayette and the South Louisiana region (popularly referred to as *Acadiana*) is now recognized as a hub for healthcare innovation, with the healthcare industry becoming the largest employer in the Parish. The community is home to several leading healthcare companies that include:

- **Acadian Companies:** the nation's largest, privately-held, medical transportation company.
- **Lafayette General Health:** the region's largest non-profit, community-owned health system, with over 4,000 employees; the largest and the fastest growing Level 2 Trauma Center between Houston and Atlanta.
- **Schumacher Clinical Partners:** one of the nation's largest, privately-held, Emergency Room Management and Hospitalist providers.
- **LHC Group:** \$1B, publicly traded, national leader in post-acute palliative care in home health and assisted living contexts. LGC group owns more than 70% of the home health market in the US.

While each of these companies and organizations is considered innovators in their own right, the potential exists to establish a collaborative to create a powerful and interconnected continuum of care model.

Initiative Vision Statement

This initiative will transform the current predominant focus of the College of Nursing and Allied Health Professions and will facilitate the expansion of UL Lafayette's renowned nursing and allied health programs to meet workforce and societal needs for health professionals and clinical scholars. The transformation will utilize a research and translational science approach to lead advancements and innovations in evidence-based practice and population health in market-driven health care environments.

Mission Statement

We endeavor to *evolve* from a primarily workforce development focused college by *collaborating* with university and community partners to conduct transdisciplinary research, translate research into practice, and integrate healthcare best practices to reduce health disparities and improve health outcomes. At the same time we seek to elevate the college's national academic profile by *creating* new programs and *strengthening* existing programs at the undergraduate and graduate levels.

Priorities

1. *Evolve*
 - a. Evolve from a focus exclusively on meeting workforce demands for health professionals to actualizing a research mission
2. *Create and strengthen*
 - a. New programs and academic program expansion
 - b. Externally funded research centers and programs
3. *Collaborate*
 - a. Transdisciplinary collaboration in research and academic offerings
 - b. Develop new models of care to improve the quadruple aim – cost, quality, access, and patient and provider experience - through transdisciplinary research

Aim 1

New Physical Space to Allow for Evolution and Expansion

- A. Expansion of Nursing programs:
 - a. Graduate
 - i. Create a master's entry program
 - ii. Create a PhD in nursing program
 - iii. Create a DNP to PhD in nursing program
 - iv. Create global connections
 - b. Undergraduate
 - i. Expand the pre-licensure program and increase the number of graduates from the program
 - ii. Increase enrollment in the RN to BSN program
 - iii. Create a minor in Spanish for nursing students
 - iv. Explore opportunities to increase enrollment by partnering with the VA
- B. Expansion of Allied Health programs:
 - a. Graduate
 - i. Create a master's program in AH which would also appeal to nursing program graduates, e.g., population health, healthcare informatics (focus on clinical applications)
 - b. Undergraduate
 - i. Expand current HIM and HSA programs
- C. Needs to support Program Expansion
 - a. Classroom spaces which allow for expansion in student cohort sizes in nursing and HIM
 - b. Classroom spaces which allow for incorporation of computer-based testing in nursing and HIM
 - c. Larger clinical performance labs areas (skills lab)
 - d. Simulation areas which allow for Simulation Program Expansion and for interdisciplinary interactions (Simulated hospital – UTA example, USA example)
- D. Increased faculty numbers to support new program creation and existing program growth
 - a. PhD program director position
 - b. PhD-prepared faculty
 - c. DNP-prepared faculty
 - d. MSN-prepared clinical faculty
 - e. Additional allied health faculty
- E. Additional professional and classified staff support
- F. Additional scholarship support for UG and Graduate students

Aim 2

Create a research mission

- A. Infrastructure creation
 - a. Associate Dean for Research and Innovation position
 - b. Pre- and post-award staff (currently have a pre-award position shared with Sciences)
 - c. Statistical data analysis support
 - d. Clinical research manager
 - e. Biological scientist
 - f. Administrative assistant support
- B. Recruit research faculty with mature, funded research programs
- C. Physical space enhancements
 - a. Office suites
 - b. Research suites
 - c. Biobehavioral and other research lab space areas
- D. Creation of research centers
 - a. Center for Adverse Childhood Experiences (ACEs); with Picard Center
 - b. Center for the Study of PVD (with ENGR)
 - c. Other

Priority 1

Secure funding for a new building to house CONAHP students, faculty and staff which will include a regional multidisciplinary simulation center, clinical performance labs (skills labs), and research labs/spaces

- Allows for new program creation and current program expansion
- Allows for integration of a research mission in the CONAHP

Funding: \$40-50M+++

\$XXX Naming rights for CONAHP Main Building

\$XXX Naming rights for Regional Simulation Center

\$XXX Naming rights for Biobehavioral Lab

\$XXX Naming rights for each individual skills and simulation lab areas

\$XXX Naming rights Center for Adverse Childhood Experiences (ACES); with Picard

\$XXX Naming rights Center for the Study of PVD (with ENGR?)

\$30-35M for construction

\$10 million for equipment (skills labs, research labs, simulation areas)

\$1 million for furniture

\$1 million long-term sustaining funds

\$1 million for long-term labs maintenance

Priority 2

Secure funding to support creation of a nationally competitive research program in the CONAHP

Goal: Compete nationally for NIH and other sources of significant funding by 2025

- Additional endowed professorships – 7 additional (5 NURS + 2 AH)
- Endowed chairs (currently have 3 in the college; 1 is not mature enough to be filled yet; goal – 2 additional)
- Create a research endowment to support the research mission
 - Start-up funds for research faculty recruitment and development
 - Create a distinguished lecture series to support PhD program

Funding: \$4.24M

\$840,000 – 7 Endowed Professorships (5 Nursing + 2 Allied Health)

120K for each (7 total) Endowed Professorship to fund a non-BOR professorship;
Total initial endowment award: \$100,000 with a \$20,000 non-endowed award for immediate eligibility capability

\$2.4M – 2 Endowed Chairs in Nursing

\$800K for 2 Endowed Chairs in Nursing (to be matched with \$400K from the BOR) for a total endowment amount of \$1M with a \$200,000 non-endowed amount per chair for an immediate award capability

\$1M – Create a research endowment to sustain the research mission of the college; funds approximately \$50,000/year

Priority 3

Secure funding to recruit qualified faculty and students

- Faculty academically and experientially qualified to teach and mentor in PhD and DNP to PHD programs
- Faculty with mature, funded research programs
- Interdisciplinary hires
- Formalize global academic partnerships
- Endowed scholarships for master’s and doctoral students

Funding: \$2.85M

\$800,000 for 10 Endowed Fellowships in Nursing (PhD and DNP to PhD program students); will fund BOR matched (\$40,000) per student. Total initial endowed amount per each fellowship = \$100,000 with a \$20,000 non-endowed amount for an immediate award capability

\$1.5M Endowed Student Study Abroad Opportunity in Nursing and Allied Health – yields approximately \$7,500 per student/year to support 10 students participating in a study abroad program focused on nursing and population/global health.

\$500K for an endowed account to support PhD and DNP to PhD student and faculty activities such as conference travel – yields approximately 20K per year

\$50K per year for discretionary use for faculty professional development

Priority 4

Secure funding to support new academic programs creation and current programs expansion

Goal: Achieve national rankings for academics by 2025

- Allied Health – increase undergraduate enrollment by 25% by 2023
- Nursing BSN – increase numbers of graduates from the pre-licensure program from 110/120 per year to 180/200 per year by 2023
- RN to BSN program – increase enrollment from 700 to 1000 students by 2023
- MSN program – increase enrollment from 120 to 200 students by 2023; establish a Master’s entry program for non-nursing college graduates
- Establish a PhD in Nursing within the next 5-7 years (dependent on PhD faculty recruitment) and DNP to PhD program shortly thereafter
- Establish a master’s degree in the Department of Allied Health
- Increase scholarships for students in the CONAHP by greater than 100% from a total of \$90,000 annually in 2018 to a yield of \$200,000 or greater annually by 2023

Funding (assuming Priority 1 will be funded): \$4.6M

\$1M for an endowed account to support student activities such as presentations and attendance at national/international conferences

\$1.5M for skills and simulation labs purchases – endowed and non-endowed funds

\$2M for scholarships to support undergraduate and graduate student matriculation – endowed funds

\$100K to fund 10 undergraduate students for Study Abroad Opportunities in Population/Global Health

Internal Partners (Current and Potential)

Cecil J. Picard Center for Child Development and Lifelong Learning – Shared Endowed Chair/Picard Center Director of Research (Dr. Paula Zeanah)

The Cecil J. Picard Center for Child Development and Lifelong Learning is a research center comprised of a multidisciplinary group of evaluation and research professionals who focus on early childhood, K-12 education, school-based health, poverty's effects on families, and lifelong learning. As an integral part of the University of Louisiana at Lafayette's research mission, the Center provides high-quality, rigorous evaluations of programs that are implemented to address learning from birth through adulthood. Applied research is continually conducted in all areas of education, health, and well-being to ensure a prosperous and healthy future for children.

Funding: \$4.4 million has been generated in external funds for research at the Picard Center. \$2.35 million is currently outstanding as pending grant funds for external support.

Research Focus: At the heart of our research are Louisiana's families, children, and communities. Our mission is reflected in the work we do here at the Picard Center, and our work has touched the lives of many youths and families, ranging from Nurse-Family partnerships, to toddler and Pre-K children, to families affected by incarceration.

Informatics Research Institute – Shared Endowed Chair/Director IRI



The Informatics Research Institute (IRI) at the University of Louisiana at Lafayette conducts research in data science to unleash the potential of Big Data for the benefit of society in such areas as health, crisis response, community resiliency, and smart and connected community. The Center serves as a driver for optimization across four constituent centers (Center for Business and Information Technologies [CBIT], National Incident Management Systems and Advanced Technologies [NIMSAT], Center for Visual and Decision Informatics [VDI], and Louisiana Center for Health Informatics [LCHI]).

New Iberia Research Center (NIRC)

The University of Louisiana at Lafayette New Iberia Research Center specializes in the breeding, management, and importation of a diverse range of nonhuman primate species and offers a broad range of diagnostic, laboratory, and human resources for the development and characterization of nonhuman primate models for applied and basic research aimed at promoting human quality of life.

Clinical and research support areas are located in near proximity to outdoor social housing across the UL Lafayette-NIRC campus. Diagnostic capabilities include radiography, ultrasonography, and an onsite clinical pathology laboratory. Two on site dedicated surgical suites are maintained as available for both protocol mandated, routine scheduled

and emergency care procedures. Service agreements are maintained on all equipment to ensure non interruption of services. Protocol mandated surgical procedures are minimally invasive. Clinical Pathology diagnostic support is centrally located in a 12,000 square foot, controlled access laboratory. Diagnostic support capabilities include hematology, chemistry, coagulation, microbiology, urinalysis, parasitology and histology.

There are over 6,000 non-human primates housed at the Center which makes NIRC one of the largest primate centers in the US.

Cajun Artificial Heart Lab (CAHL)



CAHL
Cajun Artificial Heart Laboratory

The biomedical engineering research efforts at the University of Louisiana at Lafayette are spearheaded by Dr. Charles Taylor in his *Cajun Artificial Heart Laboratory*. This mission of this laboratory is to deliver research capabilities to the artificial internal organ community in the form of

robust in vitro systems, with accompanying computational tools, to accelerate medical device development. The goal is to provide solutions that assist in safety, risk and reliability testing in the early phases of development. The intent is to form partnerships with device development groups that want to focus on their product, while thoroughly testing their design during the early stages of development.

By incorporating a verification and validation (V&V) approach, this lab's methodology seeks to minimize the late development stage failure of systems due to design flaws that can be elucidated through rigorous laboratory analysis. Current focus is on cardiovascular medical devices, particularly left ventricular assist devices (LVAD's), and their function against a variety of operating conditions that serve as the basis for their safety evaluation. Anatomical morphology and its impact on medical device performance is another key investigatory focus for this lab. With the complex geometry, and the exacerbation of this in disease states, it is necessary to incorporate these models in to the safety analysis. Work on left atrium, left ventricle, and aortic models provides a complete left heart analysis platform for a variety of technologies and products.

External Partners

Acadian Ambulance Service



Acadian Ambulance Service was founded in 1971 and has since earned a reputation as the nation's largest and most respected privately held medical transportation company. What began as a small ambulance company has expanded to include a diverse suite of services designed to offer the very best support and education in health, safety and transportation. The company's six divisions—**Acadian Ambulance Service, Acadian Air Med, Executive Aircraft Charter Service, Acadian Total Security, National EMS Academy and Safety Management Systems**—offer diverse career opportunities.

Today, **Acadian Ambulance** provides compassionate and highly skilled medical care to more than 20 million residents and covers almost 62,000 square miles, in Louisiana, Mississippi and Texas. Our fleet of 500 ambulances transports 600,000 patients annually and travels 38 million miles each year, enough to circumnavigate the earth 4.2 times each day.

Cardiovascular Institute of the South



Cardiovascular Institute of the South (CIS) was founded in 1983 by **Dr. Craig Walker**, who first established the company as a one-physician practice in Houma, Louisiana. At that time, the city was experiencing one of the highest cardiovascular disease mortality rates in the nation. Driven by a desire to serve and heal people in his community, Dr. Walker envisioned CIS as a leader in the development of new techniques and technologies in the treatment of both coronary and *peripheral artery diseases*.

Expanding upon Dr. Walker's vision, CIS has grown to become a world-renowned practice. This commitment to growth and excellence has earned CIS recognition as a leader in research development and **state-of-the-art cardiovascular care (including telecardiology services)**, as well as garnered international acclaim for its significant contributions to the advancement of non-surgical treatments for cardiovascular disease.

Today, CIS continues to grow and expand to multiple locations striving to make the most advanced cardiovascular care accessible to a wide spectrum of communities across Louisiana, Texas, and Mississippi.

- SANTA BARBARA, Calif., July 26, 2017 /PRNewswire/ -- InTouch Health, the leading enterprise telehealth platform, announced today a partnership agreement with Cardiovascular Institute of the South (CIS) to provide remote medical services geared towards emergent and general cardiology expertise in acute settings, adding

a fourth service line to the company's physician capacity management offering. CIS will increase breadth and depth of adoption of InTouch Health's services, and extend its cardiology expertise to InTouch Health in two critical ways: (1) addition of cardiologists to InTouch Health's physician capacity management offering, and (2) collaboration on development of workflow solutions to drive best practices and allow for standardized quality of care in telecardiology settings.

- "Successful implementation of telemedicine across every point of the patient care continuum – from primary care to acute care to post-acute care to home again – will increase patient safety, improve care quality, address physician shortages, expand access and reduce the cost of high-quality care. Cardiology affects one in four Americans, costs the United States almost \$300 billion each year and drives approximately one-third of Medicare costs in this country, so it is prime for disruption and innovation," said Joseph DeVivo, CEO of InTouch Health. "We are excited by CIS' advancements in telecardiology, and are looking forward to our own expanded capabilities within the cardiovascular setting, afforded by this partnership."
- "Telemedicine has the ability to transform the way cardiology care is delivered, through expanding access across rural areas, managing bed capacity, easing travel burden on sub-specialties, improving collaboration between sub-specialties and expanding our own coverage internationally," said Craig Walker, MD, founder of CIS. "Our partnership with InTouch Health is going to allow us to take a global approach to the delivery of cardiovascular services and reach patients who currently don't have access to a cardiovascular specialist."
- "We see this partnership as a major milestone in our growth strategy," added David Konur, CEO of CIS.
- The new partnership will cover emergent cardiology services in the hospital emergency department, as well as more routine consults on an inpatient floor. Boasting cardiologists that represent nearly every specialty in heart and vascular medicine, CIS is at the forefront of advancing the detection, prevention and treatment of cardiovascular disease. CIS hosts a comprehensive heart and vascular program with specialized medical professionals trained in nuclear cardiology, electrophysiology, prevention services and lipid management, as well as interventional cardiovascular procedures.
- InTouch Health provides its world class 24/7 monitored InTouch Telehealth Network, comprised telehealth systems, clinical workflow solutions and software, and managed services to hospitals and health care systems for the delivery of clinical care, anytime, anywhere. Today, InTouch Health supports more than 130 health care systems, 5,800 network users and 1,600 care locations around the world as they deploy telehealth programs across their enterprises. InTouch Health has surpassed 850,000 network sessions, and 760,000 potentially life-saving telehealth sessions over the InTouch Telehealth Network, and is forecasted to manage more than 270,000 clinical sessions in 2017.

CGI Lafayette



With deep experience in developing and integrating business, clinical and IT solutions for public and private sector health organizations, CGI helps clients anticipate challenges and achieve real transformation. Additionally, the CGI client proximity business model promotes understanding of local markets and political environments while

leveraging CGI's global capabilities and delivery systems to provide best-fit solutions that are cost-effective and platform-agnostic.

CGI uses the Institute for Healthcare Improvement's Triple Aim as a guidepost for considering how our solutions can improve the patient experience, reduce the cost of care delivery, and improve the health of populations.

CGI serves government health regulators, providers and payers; commercial individual care delivery institutions, integrated health systems and payers; and pharma and life sciences firms, with focused offerings for:

- Diagnostic image exchange
- Electronic medical records
- Health administrative systems
- Health analytics
- Health enterprise content management
- Claims fraud, waste and abuse
- Health information exchange
- Internet of health things
- Patient-centered care management
- Public health
- Translational research

Additional in-demand offerings for the health industry include cloud computing, cybersecurity and the Internet of Things Framework for Health, as well as application management and business process services.

Experience and expertise

- CGI provides secure EMRs for millions of European citizens in several countries
- As a partner to the U.S. Centers for Medicare & Medicaid Services, CGI-managed websites provide information to help 55 million beneficiaries compare health and drug plans
- CGI Sovera® ECM solutions are used by 200,000+ health professionals and 170+ hospitals
- As a partner to a number of the Canadian Ministries of Health, CGI supports critical applications including interoperable electronic health records and registry and data warehouse/business intelligence solutions

In late May, 2018, CGI announced an expansion project which will result in employment in the UL Lafayette research park rising to 800 with the creation of 400 direct new jobs and

the opening of a second location in Lafayette. Over the next decade, CGI Lafayette center cumulative payroll will exceed \$480 million. CGI's clientele includes virtually every sector of the economy including oil and gas, manufacturing, retail, health care, utilities, government, banking, insurance, and communications customers.

LHC Group



LHC Group, Inc. is a national provider of in-home healthcare services and innovations, providing quality, value-based healthcare to patients primarily within the comfort and privacy of their home or place of residence. LHC Group's services cover a wide range of healthcare needs for patients and families dealing with illness, injury, or chronic conditions. The Company's approximately 30,000 employees deliver home health, hospice, personal care services, and facility-based services from more than 780 locations in communities in 36 states. Through its healthcare innovations business, LHC Group drives increased utilization of home healthcare and enhances patient and caregiver engagement. LHC Group is the preferred in-home healthcare partner for 76 health systems, consisting of 336 leading hospitals around the country.

LAFAYETTE, La. (April 2, 2018) – LHC Group, Inc. (the “Company” or “LHC Group”) (NASDAQ: LHCG) has announced the completion and effectiveness of its merger with Almost Family, Inc. (“Almost Family”). The transaction creates the second largest in-home healthcare provider in the country with an expanded geographic service territory of 36 states covering over 60 percent of the U.S. population aged 65 and over; the only national home health, hospice, and personal care provider with a long track record of successfully partnering with hospitals and health systems; and the highest quality provider, as measured by the Centers for Medicare and Medicaid Services star ratings, with a depth of talent, industry relationships, and a reputation for driving savings for payors and improving patient outcomes and experiences.

As the only national provider with a proven track record of partnering with leading hospitals and health systems, LHC Group expects to continue the strong momentum generated from over \$114 million of acquired revenue in 2017 by pursuing a strong pipeline of new potential partnerships designed to provide a full continuum of in-home healthcare services. With a combined-company overlap of only 39 metropolitan markets and 90 counties across the country, LHC Group expects to pursue additional acquisition and *de novo* activities to co-locate home health, hospice, and personal care services. LHC Group also expects to continue driving organic growth based upon its industry-leading CMS Star ratings for quality and patient satisfaction.

2017 Recognitions

February

The Urgent Care Association of America designated Lafayette General Urgent Care Center (UCC) at Carencro as a Certified Urgent Care Provider. The Carencro location which opened in December 2015, earned its certification by meeting all criteria established by the Urgent Care Association of America.

March

Lafayette General Medical Center (LGMC) received the 2017 Women's Choice Award® as one of America's Best Hospitals for Bariatric (weight loss) Surgery. The list of over 350 award winners, including LGMC, represents hospitals that have met the highest standards for bariatric surgery across the U.S. The award signifies LGMC is in the top eight percent of 4,789 U.S. hospitals reviewed.

National trade magazine Becker's Hospital Review named Lafayette General Health (LGH) one of its "150 Great Places to Work in Healthcare" for 2017. This is the second consecutive year LGH has won this award. LGH was credited for offering its employees free in-house continuing education, free flu shots and discounts through local and national vendors. Other employee discounts are available for select events, clinical apparel and cellphone services.

April

Women's Choice Award® has named Lafayette General Medical Center (LGMC) and Lafayette General Southwest (LGSW) two of America's Best Hospitals for Patient Safety. LGMC and LGSW are the only two hospitals in Acadiana to receive this award. The list of over 451 award winners represents hospitals that have met the highest standards for patient safety in the U.S. The award signifies LGMC and LGSW are in the top 15% of 3,005 U.S. hospitals for patient safety.

May

Lafayette General Medical Center (LGMC) has been named one of America's Best Stroke Centers by Women's Choice Award®, America's trusted referral source for the best in healthcare. Earning this seal of approval signifies LGMC's commitment and passion towards an extraordinary healthcare experience for patients, especially women. With this award, LGMC joins an elite network of hospitals committed to a global mission of empowering women to make smart healthcare choices.

June

St. Martin Hospital was recognized by the Anticoagulation Forum as an Anticoagulation Center of Excellence. This illustrates SMH's strong commitment to providing the highest level of care to patients taking antithrombotic medications in St. Martin Parish.

July

Lafayette General Health (LGH) has been named a winner of the 2017 Most Wired Award by the American Hospital Association (AHA). It's the second year in a row LGH has received this honor as a health system. Lafayette General Medical Center earned Most Wired accolades each year since 2012. Most Wired hospitals are transforming care delivery

with knowledge gained from data and analytics. They are investing in analytics to support new delivery models and effective decision-making and training clinicians on how to use analytics to improve quality, provide access and control costs. Detailed results of the survey and study can be found in the July issue of H&HN. For a full list of winners, visit www.hhnmag.com

Hospice of Acadiana



Following the death of his grandmother while he was a Seminarian studying in Belgium, Lafayette-native Father Louis Richard spent a summer working at St. Christopher's House near London with British physician Dr. Cicely Saunders. Dr. Saunders is

considered the founder of the modern day Hospice movement, and it was there that Father Louie developed a deep commitment to care for the dying.

Returning home to Lafayette following his ordination, Father Louie met with other community leaders and, in 1983, helped establish Hospice of Acadiana, Inc. – a non-profit hospice committed to providing quality care at the end of life for all, regardless of their ability to pay for these services. Hospice of Acadiana, Inc. remains the ONLY non-profit hospice in our area with the longest record of continuous service of any hospice in Louisiana. Over 20,000 patients and their families have been served since the inception of the company.

Hospice of Acadiana serves a 9-parish area. HOA also works with several nursing homes and assisted living facilities throughout the service area to provide care to their residents. In addition, HOA has partnered with a number of hospitals throughout the 9-parish area to manage in-patient hospice units within these facilities.

University College Campaign Priorities

University College provides an academic environment to facilitate the matriculation of a diverse population of intellectually capable undergraduate students. It is comprised of (3) seemingly disparate areas that showcase students from across all colleges and majors, yet that interdisciplinary flavor is in fact what connects and cements this diverse combination of areas. These departments include:

- a. University College
- b. Department of Special Services
- c. Honors Program

Vision:

This campaign within the confines of University College is four-fold in concept and purpose and seeks to address:

1. best Practices as it relates to the successful recruitment and retention of first generation college students by creating a Center of Excellence for First Generation Studies
2. the financial needs of students across programs, which impact academic excellence and successful matriculation.
3. promotes innovation within the college by developing and requesting professorships that speak to and are designed with special populations and work force demands as the focus.
4. address societal issues that are both timely and relevant and that coincide with state and UL system initiatives, and that can be addressed holistically through educational programs and curricula that can promote systemic change both internal and external to the university.

Priorities:

1. Center of Excellence for FG/LI Student Studies
2. To provide access and graduate a larger percentage of FG/LI students by providing scholarships to _____ students each academic year in the College, the Honors Program and the on campus Trio Programs.
3. To increase programing in University College for students that will enhance the skills students are garnering and that employers are demanding.
4. To provide financial assistance to our honor's students by providing scholarships to ____ students each academic year.
5. To provide a pathway through online education that seeks to advance UL Lafayette as the premiere provider of adult education, and to provide financial assistance through scholarships at ____ per year for those demonstrating need and potential.
6. To create Professorships in the College and the Honors Program in one of the academic colleges that will meet the needs of this special population, and to assist in shoring up the course offerings in the Adult Education Program
7. Renovate the third floor of the Honor's Building

- c. informing other retention entities across the university
- d. Naming opportunity
- e. Bringing together researchers and practitioners as they design research agendas and methodologies of study