



LOUISIANA STATE UNIVERSITY

# **Report of Outreach Activities 2016**

## OVERVIEW OF LSU OUTREACH – 2016

### Executive Summary

Most people are familiar with LSU's instructional and research missions, but less well-known is LSU's extensive engagement with communities across the state. For LSU, there are no ivory towers; our campus is the state. We learn from our neighbors. We listen for opportunities. We welcome the prods and pushes to do more. Further, LSU's measure of success cannot be defined solely by benchmarks and national recognition—though we have both. Rather, it is a reflection of key partnerships and relationships we cultivate with stakeholders and citizens alike.

This report is an overview of LSU outreach efforts across its seven campuses. It details how we leverage our resources to make positive impact on communities across our state, throughout the nation, and around the world. Some highlights to consider:

- We have **224 partnerships** with businesses, nonprofits, school districts, healthcare entities, and community leaders
- These partnerships result in **489 programs or initiatives** that serve more than **350,000 citizens** of the state—by conservative counts. We are collaborating with industry, teaching skills to a changing workforce, addressing public health challenges, and expanding our efforts around college readiness among other things.
- Our students gave more than **130,000 hours of service**. From the flagship campus alone, students gave **74,000 hours of service, which equates to \$1.6 million**.
- Through the AgCenter's extension and co-curricular activity, LSU has a footprint in **all of Louisiana's 64 parishes**, providing programs that include childhood obesity prevention and food safety certifications, among others.
- LSU recently retained its **Community Engagement Classification** from the Carnegie Foundation for the Advancement of Teaching. We were also named to the **President's Higher Education Community Service Honor Roll for a tenth consecutive year**.
- 30% of our outreach engages high volumes of people from **diverse and underrepresented backgrounds**.
- In FY2016, LSU campuses reported more than **\$11.7 million in external funding** for outreach programs that provided direct services or support to the community.

We remain committed to finding new ways to meet the evolving needs of our community. We will continue building partnerships beyond existing networks, supporting and advancing community-focused faculty research; and promoting the virtues of service and outreach to our students, faculty, and staff. We will build campus-community partnerships beyond existing networks.

## OVERVIEW OF LSU OUTREACH – 2016

### Narrative Report



- LSUA works closely with K-12 in Central Louisiana. AY 2015/16, LSUA will begin offering future teachers a full year of residency prior to graduation with 120 hours from LSUA. This same approach is expected for those students who wish to be secondary teachers beginning AY 2016/17.
- The Education Department provides supplemental summer instruction annually to disadvantaged students at Carter C. Raymond Elementary School through Camp Carter.
- This summer, LSUA mathematics faculty conducted Eureka Mathematics workshops for Rapides Parish teachers through a LaSIP grant.
- LSUA offers dual enrollment programs both at the local high schools and on campus for students throughout all of Central Louisiana. The two most notable programs are with Avoyelles Parish who buses juniors and seniors to campus and allows them to take up to 15 hours of college credit each semester while paying for their tuition, transportation and books, and the University Academy (an early college academy) located on the LSUA campus. Through these two dual enrollment initiatives, Avoyelles Parish students and UA students have the opportunity to graduate high school with an associate degree.
- LSUA hosts a number of events annually. Most notable are the Regions' Quiz Bowl (formerly the A+Quiz Bowl), the Regional Science Fair, and COPE's Upward Bound and STEM Upward Bound summer enrichment programs.
- January 2015, LSUA filled its Endowed Chair in Entrepreneurship and began an aggressive marketing campaign for its 100% online degrees beginning fall 2015. In addition, the Chair in Entrepreneurship has provided or/has planned to provide industry-specific training for local industries and private businesses such as Roy O. Martin, CLECO, Union Tank Car, Pearson Medical, Walker Automotive, Rapides Parish Sheriff, and City of Alexandria. LSUA is also active in the work of the Central Louisiana Chamber of Commerce and the Central Louisiana Economic Development Alliance (CLEDA)



- LSU Eunice is actively involved and participates in all LACRAO (Louisiana Association of College Registrars & Admissions Officers) activities.
- LSUE hosts an annual High School Counselors Workshop each year (speakers brought in to address current issues; CEU's/lunch provided at no cost to participants).
- Financial Aid Workshops (on campus and at area high schools) for parents and students.
- By invitation, LSU Eunice recruiters attend all recruitment and related activities at area schools; some faculty and staff also volunteer to attend designated events, i.e. scholarship and honor programs at the area high schools.
- LSUE also hosts the annual regional high school District Rally, Social Science Fair, and Future Farmers of America competitions on campus
- LSUE hosts the Louisiana Fire Company Officers Conference each year, welcoming over 150 firefighters to campus.
- LSUE has partnered with the Eunice Rotary Club, the Jean Lafitte National Park, St. Landy Parish Tourist Commission, and the City of Eunice to host the Experience Louisiana Festival on the campus. The annual Folklife event had an estimated 6,000 visitors in 2016. Proceeds from the festival fund scholarships at LSUE.
- Administrators/staff also attend regular weekly meetings and co-sponsor other events sponsored by community service groups (Rotary, Kiwanis, Chamber of Commerce, etc.)
- Continuing Education hosted 133 students in a number of leisure learning courses and summer camps.
- In 2015-2016 academic year, LSU Eunice served 669 students in its Dual Enrollment programs. These students come from high schools in 11 different parishes.
- LSUE partnered with St. Landry Parish School Board to begin a new dual enrollment healthcare academy for high school students interested in science, medical, or allied healthcare careers. The purpose of this academy would be to increase the number of underrepresented, rural area students achieving a post-secondary degree in science guaranteed to transfer to any LSU institution or other Louisiana public university. LSU Eunice was selected as an experimental site for the U.S. Department of Education's new program geared toward expanding access and increasing college graduation rates through dual enrollment programs, which allows high school students to take courses for college credit. Forty-four postsecondary institutions – primarily two-year colleges – across 23 states will be invited to participate in this effort, which will allow high school students access to Federal Pell Grants.
- LSUE has agreements with 18 hospitals in eight different parishes to host clinical students in Radiologic Technology, Respiratory Care, and Nursing. In addition, nursing students are also working with a Eunice area mental health facility and with Hospice of Acadiana.



- Numerous K-12 educational programs led by faculty and/or students that aim to increase the students' knowledge of the basic sciences (i.e. Biology, Genetics, Physiology, Microbiology). These programs vary in intensity from weekly, monthly, and annually. Our Community and Minority Affairs department also sponsors programs that are geared specifically to the minority population.
- Patient Care Outreach activities range from student and faculty volunteering at Clinics or Health Fairs throughout the region to running a homeless clinic. Faculty and students have also taken mission trips to Haiti, Guatemala and Mexico to provide care for the needy.
- Camp Tiger is a weeklong day camp for special needs children of the Greater New Orleans area. Each year the first year medical students facilitate every aspect of Camp Tiger – from planning logistics, to fundraising, to promotion, to serving as counselors, and everything else in between. Since 1985, the camp has hosted over 2,000 special needs children.
- Nursing: Over \$4.4 million in active HRSA funded grant projects to serve patients, address needs of veterans, train nursing students and engage faculty in interdisciplinary research and community engagement.
- Dentistry: In 2014-15, conducted monthly community outreach activities for oral health and hygiene across the state at schools, homeless shelters, and health fairs, with participation by nearly 50 faculty and more than 130 students, treating over 1700 patients; nearly 70% of the dentists practicing in the state are graduates of the LSUHSC School of Dentistry; Community Based Dental Partnership grant provides dental care to HIV+ patients in central Louisiana. This is the 13th year of the grant FY 2015 funds: \$401,459, Care provided for approximately 400 individuals.
- Applied Health Professions:
  - Benefits Planning and Assistance (funded by Social Security Administration)- we provide benefits analysis and planning services to assist people with disabilities ages 18-62, who wish to work, or work more, to make informed decisions about working by helping them understand the impact of employment income on the federal, state, and local benefits they receive. During the most recent SFY (2014-2015), our staff provided benefits planning services to 334 individuals and provided information and referral to another 111 people.
  - Louisiana Autism Spectrum and Related Disabilities (funded by LA Department of Education)- this project provides information, training, Continuing Education, and Technical Assistance to educators and school administrators, Statewide- with the goal of improving educational services and outcomes for students with Autism Spectrum Disorders- and related disabilities. Last year our project staff provided information and training to well over a thousand individuals- statewide. In addition, we provided Continuing Education and Technical Assistance to over 550 educators/administrators, statewide
  - Act 833 IEP Training- We were funded by the Louisiana Department of Education to develop training modules for local school districts and Parent Information and Support centers to use to explain how Act 833 works. These modules are being used statewide to raise awareness of families, educators and school administrators about the new law. We are not providing the training- but are training trainers. As a result, we do not have data

on the number of people who participate in/use the modules. However, virtually every parent who has a child with an intellectual disability, or other significant disability, statewide, will (should) participate in this training

- Early Head Start Partnership (funded by US Health and Human Services) – We are providing EHS services through community childcare partners in Greater New Orleans, to 232 families
- Supported Employment Training- (funded by registration fees, supplemented with funding from grant from US Department of Health and Human Services). We provide training for initial certification and annual Continuing Education for Job Coaches, statewide. This past year, we trained more than 200 job coaches, statewide
- Post-secondary Education for ALL Collaborative (funded by US Department of Education)- We developed supports and services for approximately 15 high school age students from GNO and Florida parishes with Intellectual disabilities to attend Delgado Community College, take classes (regular course offerings from the catalog), and pursue employment/career goals
- Teams Intervening Early to Reach all Students- (funded by Recovery School District, LA Department of Education, and other sources). We provided training and technical assistance to faculty, staff, administrators and families in more than a dozen GNO schools
- LA Deafblind Technical Assistance project (funded by US Department of Education)- We provided training and TA to about 100 families, educators and medical professionals regarding best practice strategies and unique needs of students with deaf blindness, statewide
- Public Health:
  - Tobacco Control Initiative, serving thousands of patients across the state in smoking cessation, counseling, and other services
  - Juvenile Justice programs, outreach events and training presentations addresses mental health for incarcerated youth across the state;
  - Several research projects focus on the health affects obesity in children and teens providing programs to improve the health of the affected population.
  - Other projects housed in the School of Public Health focus on teen pregnancy education.
  - A multi region education and training program for HIV/AIDS is also part of the School as well as services for HIV/AIDS patients;
  - Louisiana Tumor Registry and Gulf Oil Spill Study. Both have an impact across the regions in the state as they address cancer surveillance, mental health, resiliency, environmental health, diabetes, heart disease and other determinants of health in Louisiana residents.
  - The School of Public Health has graduated over 300 students from across the state and out of state seeking to increase the availability of public health trained workforce to improve the health of population



- Admissions Initiatives: This past 2014-2015 academic year, the LSUS Office of Admissions participated in over 250 various community events at high schools, community colleges, churches and community centers in Louisiana. Our Director of Admissions also gave two keynote addresses to high school students at high schools in the area about “Creating your own College Experience.” We also reach out to elementary schools and provide activities on campus for “college day themed” field trips.
- Hosting K-12 Conferences: We hosted at least seven different conferences aimed at K-12 totaling some 1,600 students (e.g. national Girls and women in Sports Day, read Across America, etc). Our Pioneer Heritage Center worked with over 20 schools totaling around 1,800 students.
- Teaching Partnerships with specific Schools: Partnerships have been maintained with Donnie Bickham, Waller Elementary, Arthur Circle Elementary, Bellaire Elementary, and University Elementary.
- Partnerships with Schools Systems: We partnered with Bossier Parish Schools to receive a Believe and Prepare Community Grant that will be used to strengthen clinical practice for middle-high school math and science candidates and mentor teachers.
- We have engaged in new partnerships with Barksdale Air Force Base for a new Troops to Teachers program called Teach LSUS Command.
- Caddo Parish Schools has signed an MOU that provides for an early intent to hire from being completed on our students at the end of their sophomore year in which they will be guaranteed a job in Caddo Parish if they complete their degree in good standing.
- Dual Enrollment Credit: In the 2014-15 academic year, LSUS served 1,678 students in its Dual Enrollment program. These students came from 14 area high schools, 5 in Caddo Parish, 3 in Bossier Parish, 3 in DeSoto Parish, 1 in Webster Parish, 1 Private School and CTC. Eighteen faculty members from LSUS participated in the Dual Enrollment program as Team Teachers, paired with a local high school teacher.
- LSUS took advantage of the WISE Fund program to focus outreach activities towards health care, including stronger linkages to LSU Health Shreveport, information technology, including to the Cyber Innovation Center/CSC, and support of K-12 education, already discussed. In addition, WISE Fund dollars went towards establishing a fourth cohort LPN professional certificate program and advanced accounting courses within the School of Business. Although we do not qualify for WISE Fund dollars this year, LSUS will continue to commit to individuals and/or LSUHS
- LSUS has begun a process of establishing “Partner” relationships with key regional businesses and organizations within Northwest Louisiana, including Barksdale Air Force Base, Willis-Knighton Health Systems, Benteler Steel, and Computer Services Corporation (CSC). A “Partner” relationship is expected to be long-term, mutually beneficial and 360 degree in scope- looking at what we can do to help support the company or organization and, in turn, what they can help back with us. To illustrate, CSC expects to have a significant need for data specialists who will be capable of handling very advanced analytics. We are committing to focus on building appropriate curricula (or program(s)) to develop strong, qualified future employees for CSC. In turn, CSC is committing to help provide counsel and possible support to us.

- LSUS has a goal of establishing six Partner relationships this fiscal year. We are being very deliberate in how we identify, approach and build a relationship with a prospective Partner business or organization. Ideally, a Partner relationship will involve direct benefits in support of our students and/or faculty. Our first Partner relationship to be developed and formally announced is with Caddo Public Schools. Our agreement focuses upon collaboration, engagement and accountability. Our goal is to expand what we learn from this partnership relationship to other public K-12 districts within Northwest Louisiana. Likewise, Caddo Public Schools expects to build on our relationship to develop formal relationships with other Louisiana universities.





- An Evening for Heroes: Since 2011, LSU Health Shreveport has honored nearly 500 emergency responders and medical professionals from the Bossier-Caddo area at an annual event where they receive medallions for their life-saving and life-changing efforts to help patients who have suffered a traumatic injury or illness. Last year, more than 80 were invited to a special night of recognition. First Responders from Bossier Parish Sheriff's Department, Shreveport Police, Bossier Fire Department, Caddo Fire District, LSU Health Shreveport, DeSoto Parish Fire Department and EMS, Vivian, Louisiana State Police, Minden Police, Life Air Rescue, Benton Fire Department, Bossier Parish EMS, Ouachita Sheriff's Department, and West Monroe Fire Department have all been honored
- Camp Tiger: Incoming and first year medical students hold this camp annually for physically and developmentally disabled children. About 125 volunteer their time to provide 2 on 1 attention to 50 or 60 campers from the area for one week each summer
- Be the Match: School of Allied Health Professions students signed up as a class to join the Be the Match registry for bone marrow. While the odds are great, last year Physical Therapy student Stephen Mayronne ended up being a match for a leukemia patient and so donated peripheral blood stem cells
- EqualLSU: EqualLSU started in August of 2014. It is a student group dedicated to raising awareness and educating health professionals in all fields of medicine on the medical issues specifically facing members of the LGBTQ community
- Barbers for Blood Pressure Awareness: Last year, LSU Health Shreveport began a new outreach program to increase awareness and prevention of high blood pressure among a high risk population: African American men. Medical students worked with barbers in the African American community to teach them how to take their customers' blood pressure and how encourage those with a problem to get help. More than 25 barbers were trained through a local barber school. An LSU Health Shreveport resident, Joshua Jordan, coordinated the program
- Partners in Wellness: Feist-Weiller Cancer Center sponsors the community-based Partners in Wellness health screening program that operates on a year-round basis. A mobile cancer screening unit with the only mobile digital mammography equipment in north Louisiana travels to rural communities providing them with free cancer prevention and early detection screenings for prostate, colorectal, breast, and cervical cancer
- Mini Med School: Mini Med School is a community medical school experience held twice a year for four or five weeks. Participants learn about health conditions from LSUHS faculty members and participate in hands-on activities. Topics have ranged from Alzheimer's Disease to Hearing Disorders to Childbirth, Robotic Surgery, orthopedic injuries, brain surgery, measles, addiction and many others. More than 120 people have participated over the past three years and many have attended every one of the Mini Med sessions
- Dance for Parkinsons: When LSU Health Shreveport Parkinson's disease (PD) Resource Coordinator Paula Houston heard of a national dance program catered to PD patients, she leapt at the opportunity to create a similar experience locally. In partnership with Centenary College, "Dancing with Parkinson's" allows PD patients to develop better balance, flexibility and coordination in an engaging, enjoyable, and safe environment

- Balance Classes: The School of Allied Health Professions at LSU Health Shreveport and the Caddo Council on Aging offer a free class series about balance for community members over age 60 who live independently. Participants learn about factors that affect balance and how to practice balance safely
- Community Garden: The second year Master of Occupational Therapy (MOT) students created a community garden that provides individuals living in downtown Shreveport with access to healthy fruits and vegetables
- Head & Neck Cancer Screenings: Each year, staff from the Department of Otolaryngology/Head & Neck Surgery and Feist-Weiller Cancer Center offer free head and neck cancer screenings in recognition of Oral, Head & Neck Cancer Awareness Week. Last year, 112 patients received the screenings
- Knock it Off: Volunteers from the School of Allied Health faculty work with a local television station each year for “Knock It Off” to help participants lose weight and gain healthy habits. About 60 people have taken part in the program over three years
- Salvation Army Health Fair: Isabella Lupe, a third year med student organized a health fair at the Salvation Army gym, targeting low income and homeless populations. She had blood pressure screenings, diabetes education and foot checks, oral cancer screening and nutrition education. She also distributed care packages of hygiene products
- Veteran’s Health Fair: A team of 50 LSU Health Shreveport medical and allied students, with the help of faculty, hosted a free health fair for veterans November 15 at the downtown Farmers Market. “We want to celebrate our local veterans and ensure they know that we truly appreciate the sacrifices they have made,” said medical student Alexandra Bellone. “This health fair is a small way for us to give back to those who have given so much to us.”
- Men’s Health Day: Screenings for prostate cancer, cholesterol, diabetes, vision, HIV and dental are among the activities that were offered at a Men’s Health Day Seminar & Screening co-sponsored by Feist-Weiller Cancer Center. Medical students from the Student National Medical Association volunteered to provide the screenings
- VOA Health Fair: Screenings for prostate cancer, cholesterol, diabetes, vision, HIV and dental are among the activities that were offered at a Men’s Health Day Seminar & Screening co-sponsored by Feist-Weiller Cancer Center. Medical students from the Student National Medical Association volunteered to provide the screenings
- NAACP Health Fair: Medical students provided screenings and LSU Health Shreveport faculty presented prevention and treatment information to attendees at a Health Awareness Forum at Southern University at Shreveport Metro Center. The goal of the forum was to provide vital information to raise awareness about the health disparities that continue to affect racial and ethnic minorities. This initiative was a first to unite local stakeholders toward a common goal of improving the health of our communities
- Healthy Weight and Activity Clinic: The Division of Endocrinology in Pediatrics developed a Children’s Healthy Weight and Activity Clinic, which holds healthy breakfast workshops to teach kids how to assemble their own nutritious breakfast and read food labels, encourages them to give up high-calorie drinks and promotes activity. The clinic’s goal is to evaluate children and adolescents who are overweight in a standardized manner and refer them to appropriate subspecialists if needed
- Reach Out and Read: This program provides books for doctors and nurses at University Health to give to children at each well-child visit from 6 months of age to 5 years, and accompany these books with developmentally appropriate advice to parents about reading aloud with their child. The Reach Out and Read program at LSU Health Shreveport was started in 1998. It serves

between 6,000 and 7,000 of the community's low-income children and their families every year. The program also trains medical students and doctors to advise parents about the importance of reading aloud. Staff and students at LSUHS donate books for the program via an annual book drive

- Anti-Bullying Seminar: LSU Health Shreveport students involved with EquaLSU held an educational community event in October to engage teachers, physicians and all who interact with teens and kids to recognize the signs of bullying in order to preemptively and proactively address this important issue. Psychiatry resident Poonam Awatramani, MD, was the speaker
- Car Keys: The Department of Pediatrics works with the Kohl's Foundation and Louisiana State Police to do car seat safety checks twice a year in Bossier and Caddo locations.
- Healthy Story Time: Health sciences librarians read to children in area libraries about healthy habits. Two of the librarians are also creating a health-related comic book, called The Amazing Captain Fit, which will be available online and printed for area schools
- Kids Get Arthritis Too: The LSU Health Shreveport Pediatric Rheumatology Section, in partnership with the Arthritis Foundation and artspace, held an educational event for kids and families impacted by juvenile arthritis and rheumatic diseases, featuring a Q&A session with physicians and community experts, the latest information for parents to be the best advocates and fun activities for kids
- Geaux Bald: The LSU Health Shreveport Medical School's student government has started an annual "Heart of Gold" 5K each spring to honor a community member in need and to help raise awareness and funds for a health cause. For the inaugural year, they chose to benefit the #LoveForLiza fund for synovial sarcoma research set up in honor of Liza Haynie Heaton
- Biostart: The Biotechnology Magnet Academy at Southwood High School is a free, four-year program. It culminates with BioStart, an 18-week internship at LSU Health Shreveport during which students work closely in the lab of a faculty mentor. The program has two goals: to increase understanding that science in laBS leads to drug discoveries and disease cures, and to encourage students to eventually enter into the regional workforce as medical professionals, research scientists, teachers and technicians
- Jumpstart: High school students grades 9-12 are exposed to eight weeks of intense hands-on research activities under the supervision of LSUHSC-S faculty who volunteer to serve as program mentors
- Science Academy: Caddo Parish School students grades K-5 are selected to participate in the Science Academy housed at Sci-Port Discovery Center. Participating students and teachers attend the academy each Tuesday for seven weeks. The program is designed to expose students at an early age to activities which introduce simple math and science concepts. The LSUHS Office of Multicultural Affairs coordinates the program
- Educational Familiarization Program: Undergraduate students from various colleges and universities are selected to participate in an eight-week research apprenticeship under the supervision of LSUHSC-S faculty who serve as program mentors
- Day with the Doctors: More than 125 north and central Louisiana high school students interested in pursuing health careers participate each year in "Day with the Doctors" sessions at LSU Health Shreveport. Students tour the campus, participate in hands-on skills workshops and meet faculty members, as well as get advice from medical students about applying to medical school
- A-HEC of a Summer: The Schools of Medicine and Allied Health host the A-HEC of a Summer Program for high school freshman, sophomores, and juniors to explore career opportunities by "hands-on" participation with faculty and staff

- Summer Undergraduate Pharmacology Experience in Research (SUPER): The Department of Pharmacology, Toxicology and Neuroscience offers a ten- week summer research program for undergraduate students who are interested in pursuing a career in pharmacology
- SMART: The SMART program, which is co-sponsored by Biomedical Research Foundation and LSU Health Shreveport, pairs top local high school sciences students with faculty from LSU Health for a one-year research mentorship, earning high school science credit for their participation



- Speakers and Expertise –Pennington Biomedical provides speakers and resources to businesses, schools, and general public.
- LSU Science Café - Pennington Biomedical collaborated on three of these monthly informal lecture series aimed at engaging with people in the Greater Baton Rouge area who are interested in science and research.
- LSU Continuing Education Course - “Caregiving for an Individual with Dementia”
- LA-STEM Expo – Pennington Biomedical faculty volunteer to serve as judges for this annual event, Kenilworth Middle School
- LSU Human Ecology Courses – Each Fall Semester, Pennington Biomedical faculty provide lectures for this course. (*LSU is paid tuition for the course.*)
  - 7004 Molecular and Clinical Nutrition I: The development of current concepts of nutritional effects on health and disease through the use of cellular/molecular tools.
  - 7005 Molecular and Clinical Nutrition II: The development of current concepts of nutritional effects on health and disease through the use of cellular, molecular, genetic, and epidemiologic tools.
- Pennington Education Website (~35,000 views annually)
  - Research Training and Internships (~11,000 views annually)
  - Pennington Biomedical Nutrition Series - a collection of 90 factsheets addressing topics in nutrition and health. These printouts are free and available to the community at large (~5000 views annually)
  - Teaching Resources - 60, Ready-to-go PowerPoint presentations for educators
  - Videos from Conferences (~3000 views annually)
  - Vending List for Schools (~ 2000 views annually)
  - Tools for any person to use, in order to assess their own health status (~2600 views annually)
- Undergraduate, Graduate and Post-Graduate Students - Pennington Biomedical Research Center offers Non-Employee research training and internships for college undergraduate, graduate, and post graduate students, ages 18+, in order to facilitate opportunities to earn curriculum credit while learning about Pennington Biomedical research and methods first-hand. Since February 2012, Pennington Biomedical Faculty have mentored 303 students, of which 135 received curriculum (or professional rotation) credit at their university.
- Medical
  - 1<sup>st</sup> year Medical Student Short-Term Summer Research Training [LSUHSC-NO School of Medicine (since 2012), Tulane School of Medicine (since 2014)]
  - Medical Residency Rotations (since 2014) [Baton Rouge General Family Medicine, Tulane School of Medicine Internal Medicine, Our Lady of the Lake, Pediatrics]
  - Allied Health
    - Ph.D. Nursing Students, Southern University
    - Vet Techs, Baton Rouge Community College
    - Dietetic Intern Rotations for Professional Certification
      - Southern University

- University of Louisiana at Lafayette
  - Louisiana Tech
- Advancing collaborative research:
  - Perkin Forums - brings together leaders and investigators from around the state for the purposes of advancing collaborative research
  - Play Streets Pilot Study in North Baton Rouge – PBRC along with the BREC Foundation, and ExxonMobil Foundation performing research in rural areas
  - LA CaTS Center – community based participatory research
- Participation in Community Healthcare Related Initiatives:
  - Baton Rouge Area Foundation’s Health District
  - Mayor’s Healthy City Initiative
  - Louisiana Center for Health Equity’s conference
  - Speaker Kleckley’s Wellness Day at the State Capitol
  - LA Capital Links, Inc.
  - Shiloh Baptist Church Healthy Community Initiative Community Health fairs
  - Safety events
  - Lunch & Learn, Rotary, and Chamber of Commerce presentations
- Tours - showcases our basic, clinical and population research and the impact the research has in creating a healthier Louisiana and global community. Reached 400+ area students, teachers and engaged community members ~ 30 campus tours in 2015
- Louisiana Seafood Board - Pennington Biomedical helped in the creation of four new healthy seafood recipes from our metabolic research kitchen
- Communications: Pennington Biomedical has successfully placed more than 150 pieces of unique local, state and national earned media since the beginning of 2015. These earned media efforts – over the span of seven short months – have topped an equivalent advertising value of \$2+ million.
- Media Outreach: Using media sites Facebook, Twitter and Instagram, Pennington Biomedical has increased our audience by more than 50 percent. We create monthly educational content about nutrition, health, fitness and our research, for three local media publications.
- LA-STEM Education – faculty and staff presentations and tours to students and teachers, in an effort to promote careers in science, technology, engineering and mathematics.
- Community Education, Annual Health and Wellness Events:
  - Irene W. Pennington Wellness Day for Women (since 2000)
  - Men’s Health Conference (since 2001)
  - Botanicals Research Community Education (since 2012)
  - Parkinson’s Disease Conference (2012)
  - Doc’s DASH (since 2014)
- Childhood Obesity Conference & Public Health Forum (since 2008)
- Scientific Symposia (since 2002) - established in 2002 to attract world-renowned scientists to the Pennington Biomedical Research Center, to allow them the opportunity to interact and synthesize knowledge in selected areas of nutrition and preventive medicine research. Prominent scientists from around the world will gather to discuss their latest data which suggests new possibilities for the prevention and treatment of obesity and related chronic diseases.



The outreach arm of the LSU Agricultural Center is the Louisiana Cooperative Extension Service (LCES). Through the extension service, the AgCenter reaches industry and private clientele and partners throughout the state. This is accomplished through extension offices in each parish staffed by agents trained in agriculture and natural resources, family and consumer sciences, and youth development. These offices and individual agents work with advisory committees, commodity groups, and individual clientele to identify needs, develop programs and program delivery methods, and assess impact. This stakeholder input is critical to ensuring that programs are mission-oriented and meet Louisiana's needs.

Programs are delivered via the AgCenter's web site, social media, publications, and email as well as extensive face-to-face contact via field days, educational meetings, 4H club meetings and events, and individual interaction. In addition to ensuring that programs meet stakeholder needs, programs are evaluated and impact assessments are made. These assessments help to ensure that the AgCenter's educational program result in positive behavioral changes, such as using AgCenter research-based agricultural best management practices. AgCenter programs create new businesses, identify value-added opportunities, train new leaders, and expand the use of technology.

- The LSU AgCenter is responsible for overseeing the Louisiana 4-H Youth Development program. The Louisiana 4-H program reaches over 240,000 youth with the support of staff and over 6,000 4-H adult volunteers. The 4-H movement supports young people from elementary school through high school with programs designed to shape future leaders and innovators. Fueled by research-driven programming, 4-H'ers engage in hands-on learning activities in the areas of science, citizenship and healthy living.
- 4-H youth development faculty and staff provide a direct link to Louisiana State University AgCenter expertise and research. Because of this university affiliation, parishes have access to community assessment tools, program evaluation expertise, a statewide network of youth development professionals, a source of professional development and program development, and a gateway for youth to access Louisiana State University.
- **4-H University** - This 4-day learning experience reached 1,400 teens from all 64 parishes of the state. Four-H University provides a range of experiences from competitive events, to short-term educational programs, to more in-depth learning in Clover College.
- **4-H Camp** - Camping is one of the most valuable experiences a child can have. A total of 4,054 youth attended 4 -H Summer Camp in 2015. The tracks for summer camp included: Dramatic Arts; Wetlands; Science, Engineering & Technology; Survival Skills; Hunter Safety and Outdoor Adventures.
- **Healthy Living**- State 4-H Food and Fitness Board sponsor a statewide camp reaching youth across the state with innovative, interactive educational sessions focusing on nutrition and fitness. 94 percent of children reported learning how to make healthy food choices, 94 percent reported increasing water consumption and 86 percent reported eating more fruits and vegetables. Walmart's Fit4TheFutureHealthy Living Program had similar excellent outcomes with 100 percent of participants reporting learning how to make healthy food choices, and 73 percent reporting reducing their soda intake. A total of 88 percent reported increasing fruit and

vegetable consumption. Due to the success of the grant efforts, Louisiana 4-H Food and Fitness Board teen and adult members were asked to lead a session at both Walmart and The United Healthcare National 4-H grant trainings.

- **Ag Awareness-** The Louisiana 4-H Program is addressing the need for agricultural awareness with efforts across the state reaching more than 25,000 youth annually. These ag awareness efforts consist of interactive and visually stimulating field trips with various educational components that introduce agriculture and environmental concepts, the importance each has in our daily lives and the roles each play in our daily lives. Teachers received agriculture-related lesson plans written to reinforce lessons learned during the field trip. According to an AgMagic – Baton Rouge evaluation, 98 percent of the teachers indicated that their students were introduced to Louisiana agriculture products, while 97 percent of teachers felt that their students became more aware of where food comes from. All of the teachers who responded agreed that AgMagic provided hands-on opportunities to learn about agriculture, was developmentally appropriate, provided a framework for leaning and enriched curriculum.
- **Youth Wetlands Program** – This environmental state-wide program is designed to heighten students’ awareness of Louisiana’s wetland loss through an organized educational program of outreach, empowerment, and advocacy. Since its inception this program has reached more than 600,000 students in grades 3rd-12th and 9,000 educators across Louisiana.
- **Community Service and Service-Learning** – Over 60,460 4- H members participated in community service and service-learning projects during the 2015-2016 year. Parishes across the state participated in the fourth annual State 4-H Day of Service in December. Forty service projects were conducted that benefitted more than 20,000 people with an economic impact of \$54,925.
- **Overnight Chaperone Training Program** – Approximately 1,000 adult volunteers serve as overnight chaperones each year for Louisiana 4-H programming. As a result of the Louisiana 4-H overnight chaperone training program, 98 percent of participants felt that they have gained information on how to create a positive environment for youth. Ten years after the creation of the program, it continues to provide tools, guidelines, and training for 4-H adult volunteers.
- **Childhood Obesity** focuses on the prevention of chronic disease and obesity related illnesses in Louisiana children and adults. The childhood obesity issue was addressed through a multi-disciplinary programming approach led by experts in nutrition, youth development, exercise and school and community gardens. The AgCenter programs that addressed Obesity were Smart Bodies, SnapEd, EFNEP and Body Quest.
- **Natural Resources & the Environment:** Activities included extension outreach using group and individual methods and mass media; social media tools; research experiments; result demonstrations; and field days incorporating the latest technologies. The following activities/interventions were conducted:
  - Communicated research results and other information with clients through extension personnel in the form of publications, conferences, workshops, field days, home/office visits, demonstrations and other educational resources.
  - Identified and promoted the use of crop varieties and animal breeds with climate adaptive traits.
  - Educated consumers about the effects of climate change on the state's natural resources and mitigation strategies.
  - Ongoing research of the environmental benefits of urban forests, wetlands, carbon sequestration and the urban forest effects on air quality.



- Ongoing research and quantification of urban forest effects on UV exposure in relation to proper vegetation design.
- Assisted areas affected by past hurricanes and other natural disasters to rebuild their tree population.
- Collaborated, cooperated and partnered with local, state and federal agencies, institutions, groups, private organizations/associations in seeking and delivering services to citizens.
- Conducted both commercial and private pesticide applicator certification programs.
- Expanded the Louisiana Master Farmer Program with nutrient management as a focus area.
- Maintained the Coastal Plants program coordinated natural resource extension.
- Continued research activities by the Center for Natural Resource Economics and Policy (CNREP).
- Our **Louisiana Master Farmer Program** is a national model for voluntary education and compliance with natural resource and environmental conservation. Nearly 2,500 farmers are currently enrolled with 200 certified graduates, farming 1.7 million acres.
- **Food Safety:**
  - Food safety-related issues were addressed through extension and research activities including result demonstrations, workshops, classes, certification programs, studies and effective use of a variety of media sources to address food safety-related issues. Programs reached producers, consumers, handlers and processors about strategies for keeping food safe. Specific certification trainings that were conducted included Sanitation Control Protocol (SCP), Seafood HACCP; Meat and Poultry HACCP; Vacuum Packaging HACCP, Better Process Control School (BPCS) and ServSafe.
  - One hundred percent of the 209 participants learned how to handle food safely to avoid contamination and how to ensure that food safety guidelines are adhered to while doing so. The successful rate for receiving certificate was been 90-95%. The outreach program evaluation on understanding the impacts of foodborne illnesses showed that 95% of the participants learned and have implemented improved food handling procedures I their organizations (including, university cafeteria, chocolate factory, restaurants (fast food and traditional), bakeries, hotels, hospitals, churches, and grocery stores, etc.).
- **Global Food Security and Hunger**
  - Global food security and hunger activities included research and extension programs directed towards row crop, fruit and vegetable production; and animal and aquaculture production. LSU AgCenter programs addressed yield, cultural practices, and pest management resulting in development of new varieties and integrated pest management strategies for Louisiana's major row crops. SU Ag Center continued to address immediate and long term needs of small and limited resource farmers. Specific activities conducted include:
    - Designed and conducted educational programs and research projects on animal and plant enterprises to address yield, cultural practices and pest management; new varieties; and animal health to producers and potential producers
    - Conducted workshops, farm visits, livestock shows, demonstrations, field tours, grower meetings, and training sessions
    - Maintained modernized facilities and worked to acquire additional land for research and extension programs

- Worked with internal and external communication channels as well as traditional and social media to disseminate important commodity production and food safety information to clients and stakeholders.
  - Educated limited resource audiences about the availability of safe and healthy food supplies offered through farmers' markets, local grocery stores, and school and community gardens.
  - Collaborated, cooperated and partnered with local, state and federal agencies, institutions, groups, private organizations/associations.
  - Enhanced marketing opportunities in traditional and alternative outlets such as farmer's markets, community supported agriculture (CSA), and other outlets.
- Teaching methods included group and individual methods; mass media; applied research studies; result demonstrations; and field days, which incorporated the latest technological advances and use of social media. Research outputs were measured through scientific presentations at field days, local and national meetings and publications.
- **Horticulture:** Key horticulture program areas addressed issues related to commercial vegetable, fruit, pecan and sweet potato production; home grounds; landscaping; home, community and school gardens and commercial ornamentals and turf. The Louisiana Master Gardener program provided trained volunteers to assist in addressing the growing needs of consumer horticulture audiences. Increased emphasis has been placed on school and community gardening efforts. The Louisiana Super Plants Program continued to be offered to local horticulture professionals.
- **Louisiana Master Gardener Program:** The increased need for consumer horticulture information and enhanced accessibility to the LSU AgCenter has proven that highly trained LMG volunteers presenting science-based information are recognized in their community as an important and critical resource for gardening education. In 2015, the LMG Program trained 285 new volunteers which increased the active number of volunteers statewide to 2,662. LMG volunteers provided 75,818 hours of their time to Extension educational projects and made 5,876,151 contacts with residents in Louisiana, exposing them to research-based, consumer horticulture information. This volunteer service, equivalent to 36 full-time employees, increased the human capacity of Extension horticulture professionals by 24% and contributed an economic value of \$1,821,248 to the state of Louisiana.
- **Disaster Resilience and Sustainability - People-based**
  - Provided sustainable Housing programs at LaHouse, a program that educates homeowners and building industry professionals about building hazard-resistant, resource-efficient, healthy homes.
  - Continued to focus on Disaster Recovery and Mitigation. This program area reached across the many disciplines of Cooperative Extension to put relevant information in the hands of citizens for disaster recovery and to reduce vulnerability to the hazards.
- **Risk Appreciation (Awareness, Avoidance and Data Enhancement)**
  - Continued the design and upkeep of interactive, online hazard maps, building code education, a program that provides same-page building-site information to the property owner, builder, and regulatory agencies
  - Offered Sea Level Rise, Subsidence and Storm Surge, programs that included storm surge and flood modeling that reflected projected conditions (sea level rise and subsidence), while also detecting inaccuracies in the modeling data and obtaining better data to fill the gaps.
- **The Extension Disaster Education Network (EDEN):** The LSU AgCenter provides network support (Intranet and Internet) for EDEN. This network links Cooperative and Sea Grant

Extension educators from across the U.S. and various disciplines, from food safety to field safety, from physical to psychological, and from government to community development. EDEN enables resource sharing and produces materials, workshops and community planning resources to help its members reduce the impact of disasters in their states and communities.

- The **LSU AgCenter created a FloodMaps Portal**, putting FIRMs for the entire state on the Internet, providing point-specific risk information in the context of insurance and building permit requirements. The Portal is a focal point for outreach activities on hazard awareness and mitigation and gives property owners, investors, lenders, builders and building officials same-page access to the flood and wind vulnerability-reducing design standards of building codes. Risk information is presented with ground elevation data, contact information for local officials, and community-provided notes relevant to the user's point of interest. Users locate property by reference to road maps and aerial photographs or by searching for an address or geographic coordinates. In the past seven months, information was provided for 494,000 user-selected points. The service supported 16,000 mapping sessions per month, [LSUAgCenter.com/floodzone](http://LSUAgCenter.com/floodzone), and provided a platform for presentations, one-on-one consultations and Open Houses offered by newly mapped communities.
- **Sustainable Energy:** Since 2011, the LSU AgCenter, USDA-ARS, and other partnering agencies have participated in an AFRI biofuels grant. LSU AgCenter and cooperators have first-hand research and extension experience in sugarcane and sweet sorghum production, processing and conversion systems. Prior information from research conducted with energy cane and sweet sorghum will serve as important building blocks to initiate extension efforts. Efforts within the grant include presentations at local, national, and international meetings, field days with demonstration areas, written materials, and web based information to reach producers and business leaders interested in producing bioenergy from agricultural crops. AgCenter extension efforts play a vital role in the adoption of new research practices.



- Office of Community-University Partnerships (CUP): The Office demonstrates LSU's commitment to service through outreach programs and initiatives and external partnerships. CUP builds relationships between campus and community groups, activists, schools, and interfaith networks. Programs and initiatives include: *Journey to College, At Home in Old South Baton Rouge, City Year Partnership, OSBR Youth Cultural Project, Fresh Cuts Clean Health, Geaux for Gold, Saturday in Service, WE>START, and Yard of the Month.*
  - In a year, CUP programs involve an average of 250-300 students and engages approximately 1,000 community residents.
  - Since 2001, LSU has formally committed itself to building community partnerships in the historic, Old South Baton Rouge community, the metropolitan area, and beyond. Specifically, CUP implements community programs and initiatives that empower local residents to become active participants in revitalization.
  - Funding partners include: Campus Federal Credit Union, Blue Cross Blue Shield Foundation, Manship Theatre, Dollar General Literacy Foundation, and Target.
- Center for Community Engagement, Learning & Leadership (CCELL): The Center for Community Engagement, Learning and Leadership, or CCELL, promotes the integration of teaching, research and service to encourage civic responsibility and to enhance learning and social accountability. The impact of CCELL continues to grow as it works alongside students, faculty, and community partners as they connect classroom learning to community needs.
  - Last year, approximately 3,400 students participated in 116 service-learning classes housed in 26 departments and involving 51 faculty members.
  - Last year, service-learning partnered with 60 not-for-profit agencies.
  - LSU received the 2015 Community Engagement Classification by the Carnegie Foundation for the Advancement of Teaching. It is an elective classification, in which institutions participate voluntarily by submitting required materials describing the nature and extent of their engagement with the community. LSU first earned the Community Engagement Classification in 2008. With this award, LSU will retain the designation until 2025. CCELL staff supported the application effort of the Consortium on Civic Engagement.
  - LSU was, again, named to the President's Higher Education Community Service Honor Roll. Recognized in the areas of education, economic opportunity and general community service, this award for community engaged work completed during the 2013-2014 school year marks the 10th year in a row LSU has received recognition on the Honor Roll. The Honor Roll recognizes colleges and universities that support innovative and effective community service and service-learning programs.
  - In the summer of 2013, retired LSU architecture professor Barrett Kennedy and wife Peggy Reily stepped forward with a generous \$20,000 gift to the LSU Foundation for the creation of an endowment fund for CCELL. However, the gift came with a challenge: to secure \$20,000 in matching donations. In response, CCELL launched the CCELL Challenge Fundraiser which achieved its goal in the last 12 months.
  - CCELL spearheaded a training for community partners with Campus Life and the Career Center on communicating with college students and points of entry to resources at LSU. Over 30 non-profits organizations were in attendance.

- Twelve new service-learning classes and previously designated classes in Business, Art + Design, Honors College, Coast & Environment, Mass Communication were reviewed and approved for designation by a committee of faculty and community partners. Under the new designation policy, designated service-learning courses will not need re-approval each semester, although re-certification will be necessary after a period of 5 years. During the upcoming fifth year of implementation, service-learning classes in Human Sciences and Education will be reviewed.
- Seven Service-Learning Faculty Scholars were selected to participate in the Service-Learning Scholars Program, 10-week seminar series where they discussed course design, theory and pedagogy, social responsibilities of universities, liability, assessment, and reflection, as each developed a new service-learning class that was added to LSU course offerings. The scholars were from the following departments: English, Law, Early Childhood Education, Forestry, Human Resource Education, and Library Science.
- **Volunteering:** The Campus Life Volunteerism/Service Area includes three student organizations:
  - **Volunteer LSU** - The goal of VLSU is to promote and coordinate volunteer opportunities, build partnerships within the community, and instill a lifelong commitment to service. Since May 2006, VLSU has organized events such as Community Bound, the annual Cemetery Clean-Ups, domestic and international Alternative Service Breaks, as well as a number of focused area service opportunities, such as coastal protection/erosion, education, and disaster relief. Each focus area of VLSU seeks to address a specific need in the community by engaging LSU students in direct service.
    - In 2015-16, there were 1,100 volunteers, performing 5,076 hours of volunteer work.
    - Each hour of volunteer work is valued at \$23.56; thus creating a total economic impact of \$119,590.56.
  - **Kitchens on the Geaux** - strives to create sustainable ways to address food insecurity in Baton Rouge by repurposing excess food from local restaurants with whom it has a memorandum of understanding.
    - Established a formal relationship with the National Food Recovery Network to rescue surplus food from area restaurants and LSU Dining to provide to the Greater Baton Rouge Food Bank and it's affiliates
    - In 2015 – 2016, rescued 4,212 lbs. of surplus food.
    - In Summer 2016, took on primary responsibility for coordinating on-campus LSU Food Pantry.
  - **Geaux Big Baton Rouge** - is a large, one-day service experience that unites LSU students and the surrounding Baton Rouge community.
    - Founded in 2013
    - In 2016, there were 1,364 volunteers, performing 5,456 hours of volunteer work at 76 different sites around East Baton Rouge Parish.
    - With an hour valued at \$23.56, the total economic impact was \$128,543.36.
    - External funding made possible by the Office of the President and Volunteer Louisiana.
- **Continuing Education: Continuing Education (CE)** supports the LSU outreach mission through the dissemination and application of knowledge throughout Louisiana, all 50 states in the US and more than 40 other countries.
  - During FY2015, LSU Continuing Education had 23,375 enrollments from learners participating in both credit (5,551) and noncredit (17,824) courses and activities.

- LSU CE programs generated just over \$5.4 million of participant fees, secured \$765,000 in workforce training grants, and \$74,500 in private funding during FY2015.
- The **Distance Learning Program** offers more than 115 undergraduate courses from 30 academic departments, including many that meet general education requirements. The program serves both traditional students engaged in fulltime study at LSU and 400 other institutions nationwide; nontraditional students pursuing online and part-time degrees in the US and overseas; and professionals seeking credit for certification, professional advancement, and to gain needed undergraduate credits for admission to graduate degree programs
- The **English Language and Orientation Program (ELOP)** teaches intensive English as a second language to international students for academic, professional, and personal purposes. The ELOP provides five, eight-week basic courses per year, with language levels ranging from elementary to advanced. During FY2015, approximately 100 students attended the ELOP each term.
- **Professional Development** - LSU has been helping employees move from worker to supervisor and supervisor to manager through our front-line supervision programs for more than 50 years. We address workforce training goals by providing custom contract training and flexible professional development programs in an array of areas to assist people seeking to improve their lives or to change careers.
- **Pre-College and Youth Programs** - Serving K through 12 students, CE offers a full portfolio of academic enrichment courses. During FY2015, 91 students from 14 states attended residential camps designed to introduce high school students to the campus and support the LSU undergraduate recruiting effort. We also host the regional and state Science and Engineering Fairs, and the Louisiana Junior Science and Humanities Symposium, sponsored by the US departments of the Army, Navy and Air Force.
- The **Osher Lifelong Learning Institute at Louisiana State University (OLLI at LSU)** is one of a network of 118 university-affiliated lifelong learning programs supported by The Bernard Osher Foundation. OLLI offers noncredit educational programs specifically developed for adults ages 50 and older. In FY 2015, the program attracted 4096 registrations in 230 courses and activities
- The **Leisure & Arts Program** officially moved to CE beginning in July of 2015, but CE coordinated a summer term of Leisure Courses. Leisure & Arts offers students, faculty, staff and community members a variety of avenues to express themselves through the popular Leisure Courses and in the Leisure Arts Studio located in the LSU Student Union. The goal of the Leisure & Arts Program is to encourage participants to try something new, think out of the box, and engage in new forms of art expression. Leisure Courses attracted 189 registrations in 24 courses for the summer 2015 term.
- Louisiana Workforce Commission: **Incumbent Worker Training Program (IWTP) and Small Business (SB) grants** are used by companies to fund training for their employees. LSU partners with many large and small companies to assist them in securing the grants and then providing training in professional skills. Companies for FY2015 included:
  - Alliance Safety Council
  - Amedisys Holding LLC
  - Bengal Transportation Services LLC
  - Electronic Arts
  - eQhealth
  - H&J Capital
  - Hyatt Regency

- ISC Contractors
  - Performance Contractors o Turner Group Consortium
- Dual Enrollment and Teacher Training – Gordon A. Cain Center for STEM Literacy: The Cain Center's primary focus is conducting empirical research that informs the field and offers effective, innovative strategies that support and improve learning, particularly in mathematics and the sciences. The Cain Center promotes the teaching profession and builds capacity for successful teaching and learning. Programs and services offer school systems and practitioners a variety of opportunities to participate in activities that strengthen content knowledge and pedagogical skills.
  - **LSU College Readiness and Dual Enrollment Program** - created to help prepare students for success in college. Qualified students are given an opportunity to earn college credit in entry-level courses while remaining in their high school classrooms.
    - The program began in fall 2006 with two math courses piloted for dual enrollment with high school math teachers in three area high schools. Since then the program has grown to serve 2,500 students a year in 36 high schools offering 25 courses in ten disciplines.
    - In 2014-15, the program served over 5,000 students in the Baton Rouge area and will be expanded to all of Louisiana starting with the 2015-16 school year.
  - **Eureka Curriculum Development** is directed by CAIN Center personnel and is a comprehensive Pre-K-12 mathematics curriculum that is fully aligned with Common Core State Standards.
    - In the beginning of the 2014-15 school year, 61 districts out of 69 in Louisiana self-reported the use of the Eureka Math curriculum in some way.
    - The CAIN Center is the official Eureka Math professional development affiliate for Louisiana and the Southeastern US. Each year, the Center provides Common Core aligned professional development opportunities for over 1,000 STEM teachers.
    - Of the 13.5 million math file downloads from the EngageNY site, approximately 550,000 downloads were attributed to Louisiana.
  - In August 2016, **Lee Magnet High School** will be a multi-functional, early college facility with three distinct science academies: Bio-Medical, Digital Media & Arts, and Engineering. Supported by a comprehensive model partnership with East Baton Rouge School System, the three academies will offer students access to meaningful, real-world project-based learning opportunities informed by LSU's research and engineering laBS as well as partnerships with local, national, and international business, industry, and government entities
    - This is a contract for five years for a total of \$1.5M
    - AP and dual enrollment options are a part of this program
- Within the College of Art & Design
  - The **Coastal Sustainability Studio (CSS)** brings together disciplines that normally work separately so that they can respond to critical coastal issues in a comprehensive way. CSS was conceived as a laboratory to develop new strategies that reduce risk to social, economic, and natural resources.
    - CSS has a staff of 8-10, an executive committee of 5, and employs 2-3 undergraduate students.
    - Founded in 2009.
    - Supporting grants from Chevron, LA CPRA, the Keck Foundation, the Kresge Foundation, NOAA, and the National Endowment for the Arts.

- The mission of the **LSU Hilltop Arboretum** is to provide a sanctuary where students and visitors can learn about natural systems, plants, and landscape design
  - The Hilltop Arboretum employs a staff of 6 and has 125 adult volunteers and 25 college volunteers.
  - Founded in 1981, when Mr. Emory Smith donated his Hilltop property to Louisiana State University.
  - Supporting grants from State Department of Forestry, State Department of Parks, Friends of Hilltop, Junior League, and the EBR Master Gardeners
- The **Alfred C. Glassell Jr. Exhibition Gallery (at the Shaw Center)** is the LSU School of Art's ultra-contemporary exhibition space that brings artwork of the highest caliber to Baton Rouge. Exhibitions at Glassell Gallery challenge viewers to look seriously at works that raise questions and evoke responses.
  - Employs a staff of 6
  - Founded in 2001.
  - Supporting grants from Alfred C. Glassell Jr. Endowment and self-generated funds from space rentals and donations.
- *Within the E.J. Ourso College of Business*
  - The **Public Administration Institute (PAI)** has established a strong research presence in public policy and public budgeting, covering a broad range of issues of importance to Louisiana. Among them are:
    - A one year grant from the Louisiana Department of Education to study the Minimum Foundation Program
    - A recently completed state tax study for the Louisiana Legislature.
    - A recently completed Louisiana housing needs assessment funded by a grant from the Louisiana Housing Corporation.
    - A tentative, multi-course service learning agreement with the Louisiana Department of Education to study the transfer of Head Start and state child care facility licensing from the Department of Child and Family Services to the Department of Education.
  - With nearly 30+ outreach programs geared toward professionals in the business community, the **Stephenson Entrepreneurship Institute and Executive Education** serves as a major outreach and advocacy arm for the E. J. Ourso College of Business. Below are three of the higher profile programs offered:
    - **Entrepreneurship Bootcamp for Veterans with Disabilities at LSU (EBV)** offers cutting-edge, experiential training in entrepreneurship and small business management to soldiers, sailors, airmen, and marines who were disabled as a result of their service supporting operations Enduring Freedom and Iraqi Freedom. The intent of the EBV is to open the door to entrepreneurial opportunity and small business ownership to these individuals by developing their competencies in the many steps and activities associated with creating and sustaining an entrepreneurial venture and also by helping them coordinate their efforts with programs and services for veterans and others with disabilities.
    - Number of Students each year at LSU is 20-25; Number of Students since inception at LSU is 70. This program is entirely free to the veteran. As a result of the generous support of the EBV Universities and the private giving of individuals and corporations all costs, including travel, lodging, and meals for delegates accepted to the EBV, are covered.



- Now in its fifth year, **LSU 100: Fastest Growing Tiger Businesses** identifies and recognizes the 100 fastest growing businesses owned or led by past LSU students. These companies represent various fields and professions including technology, oil and gas, engineering, insurance, health care, design, construction, manufacturing, and public relations. By engaging the honorees with the LSU community, students and alumni network with and learn from one another to create a legacy of entrepreneurship at LSU. It is an outstanding tool to engage LSU's entrepreneurial community, as honorees are often invited back to campus as guest speakers and panelists for entrepreneurship events.
  - The first LSU 100 event was held April 8, 2011.
  - Six hundred people each year attend the honoree luncheon
  - The program is funded through public/private sponsorships and ticket sales.
- The **Certified Louisiana Economic Developer Program (CLED)** mission is to educate the general public on the overall process and system of economic development. Those who participate are typically economic development professionals, Chamber of Commerce staff, elected officials, engineers, contractors, attorneys, land developers, and local civic leaders who are interested in best business practices in the field of economic development. Courses in the program may be taken as part of the certification track, or by those interested in a particular topic as an open enrollment course. LSU Executive Education presents the CLED program in conjunction with Louisiana Economic Development (LED) and the Louisiana Industrial Development Executives Association (LIDEA). Content of the program is tailored specifically to the state of Louisiana.
  - LSU Executive Education has been involved in the program since 2011.
  - An average of 25 students are in each class with approximately 80 participants each year.
- Noteworthy accomplishments are made through our **Diversity and Inclusion Initiative**. Our *Bridge to Success Program* offers workshops, social activities, and peer-mentorship to minority freshmen and sophomores who desire admittance to the E. J. Ourso College. The *Diplomats for Diversity* student organization was established and diplomats assist with the recruitment and retention of minority undergraduate students. The College's diversity program participates in a number of activities, including the Black Male Leadership Initiative's Fellows Program, the Annual PhD Project Conference in Chicago, Shell Etiquette Dinner, Texas Diversity & Leadership Conference in Houston, Louisiana Diversity Council - Women in Leadership Symposium, and the National Association of Black Accountants Convention in Las Vegas. The diversity program works closely with the Olinde Career Center in counseling minority and at-risk students.
  - Halliburton, Shell, and KPMG have provided generous financial support to the College's Diversity and Inclusion Initiative.
- Researchers at the **LSU Division of Economic Development** conduct applied economics to promote economic development and inform public policy decisions.
- Annually, the College produces the **Louisiana Economic Outlook**, or **LEO**, which analyzes the state's economy and that of major metropolitan areas to forecast the state's employment for the next two years.

- The LSU Department of Accounting hosts an **Annual Fraud & Forensic Accounting Conference**. Two hundred sixty-eight professionals attended in 2014.
- Within the School of Coast and Environment:
  - **LSU EnvironMentors** is a national college access initiative supported by the National Council for Science and the Environment. The LSU Chapter has partnered with the College of Human Sciences and Education's LSYOU program and Louisiana Sea Grant. It is a collaborative, award-winning, and proven college-access program that addresses issues facing the Baton Rouge community including: workforce development, education of high school students that are under-represented in the sciences, and encouraging the next generation of environmental stewards. It is also an after-school science, technology, engineering, and mathematics (STEM) mentoring and college-access program. All students who participate in the program are from inner city Baton Rouge and considered at-risk for not graduating high school.
    - Approximately 30 upper-level undergraduate and graduate students serve as mentors to 15 high school students under the supervision of one faculty advisor.
    - The program started in 2010 and is supported financially by the School of Coast and Environment as well as Louisiana Sea Grant, Halliburton, and Dow Chemical.
  - **Ocean Commotion** is a program hosted in conjunction with the Louisiana Sea Grant College Program giving students the chance to learn about and touch the products of the sea and coast.
    - Each year, Ocean Commotion brings approximately 2,500 area elementary students, teachers, and chaperones onto campus to learn about our coast and sea from about 65 exhibitors.
    - Started 18 years ago, the event is supported by Louisiana Sea Grant, ExxonMobil, and Coca-Cola.
  - The **Coast & Environment Graduate Organization (CEGO)** is a student organization focused on enriching the graduate experience of students interested in marine and environmental issues at LSU.
  - It was formed in 2010 and has a membership of roughly 30 students each year.
  - CEGO is supported by private donations and fundraising events.
  - The School of the Coast & Environment's **Dean's Advisory Council** was formed several years ago and is dedicated to the creative development of the financial and intellectual resources of the School. It assists SC&E's dean in raising funds and identifying prospects to support academic activities; increases membership numbers; and facilitates cooperation between the School, governmental agencies, and the private sector.
  - It is comprised of 15 volunteer individuals and overseen by Dean D'Elia and the School's leadership team.
- Within the College of Engineering:
  - The **Recruiting into Engineering High-Ability Multicultural Students (REHAMS)** and **Xploration Camp Inspiring Tomorrow's Engineers (XCITE)** LSU Residential Engineering Camps provide students a number of opportunities to learn about engineering through hands-on workshops and activities across a wide range of disciplines.
    - REHAMS and XCITE were started in 1978 and 2008, respectively.
    - REHAMS is open to rising 10th, 11th and 12th grade students, and female and minority students are encouraged to apply. This year, it was sponsored by Dow, Fluor and Shell, and 47 students—30 boys and 17 girls—attended the camp.

- XCITE is open to rising 9th, 10th, 11th grade female students. This year, it was sponsored by Fluor and Marathon Oil, and 22 young women attended.
- Students with the **Society of Peer Mentors** and **Diversity Ambassadors** represented the College at the following events in addition to regular work with K12 students as tutors, mentors, and college readiness panelists. At these events our students promote college readiness, assist K12 students with STEM projects, and do demos to generate interest in engineering.
  - Engineering Course for Upward Bound Camp at LSU, July 7-9, 2015
  - Scotlandville Magnet High Pre-Engineering Expo, September 24 & 25, 2015
  - Crestworth Elementary STEAM Night, October 20, 2015
  - Glen Oaks STEM Night, October 22, 2015
  - Westdale Heights Academic Magnet STEAM Night, January 28, 2016
  - Friendship Capital High STEM Night, February 11, 2016
  - Boy Scout Merit Badge Day at LSU, March 5, 2016
  - Engineering Course for Upward Bound Camp at LSU, June 14-16, 2016
  - The Peer Mentors also co-hosted LASM Engineering Day on April 2, 2016 which involved over 100 volunteers and 600 attendees
  - **LSU Community Playground Project:** Dr. Marybeth Lima, Cliff & Nancy Spanier Alumni Professor, co-founded the LSU Community Playground Project, an organization that builds playgrounds throughout the greater Baton Rouge area. Dr. Lima, a certified playground safety inspector, and her LSU biological engineering students have partnered with community schools to build safe, fun, accessible, child-designed playgrounds in more than 30 locations, enabling more than 10,000 schoolchildren to play and learn every day
  - **“Project Rebuild! A Day of Service”:** Each fall, volunteers from engineering organizations throughout the state of Louisiana come together to assist the local chapter of Rebuilding Together with home improvement projects for elderly and disabled Louisianans. This past year over 150 students, faculty and alumni volunteered in the community.
- Within the Ogden Honors College:
  - The **Ogden Honors College Louisiana Service and Leadership (LASAL) Program** connects Honors students with the effort to solve Louisiana’s most pressing social, economic, and environmental issues. LASAL Scholars explore, analyze, and ultimately provide solutions for these problems through coursework on Louisiana social, political, and economic history; community service & internships; and excursions to communities and research facilities throughout the state.
    - At the end of the 2014-15 academic year, there were 39 Honors College students enrolled in the program.
    - The program was first initiated in Fall 2008; thus far, the program has graduated 4 cohorts (2008, 2009, 2010, 2011).
    - The program was founded in 2008 with a \$14,000 grant from Louisiana Blue Cross Blue Shield. It now relies on internal funding.
  - The **Ogden Honors College Annual Service Project** is held each fall to emphasize LSU’s Commitment to Community and the College’s emphasis on community service.
    - Since its inception, more than 1000 Honors students have participated in the annual project.
    - The program was first initiated in Fall 2005 and has been in existence for 10 years.

- The program has been supported by a number of external funders, including Shell Oil, Campus Federal Credit Union, and the Barataria-Terrebonne Natural Estuary Program (BTNEP). The program has also been supported with internal funding.
  - The **Ogden Honors English Language Learners (ELL) Project** is a collaboration with the East Baton Rouge Parish School System. Started in 2013, the program provides in-class tutors to help non-native speakers attain English proficiency.
    - Since its inception, more than 100 Honors students have participated in the project.
    - The program was first initiated in Fall 2013 and has been in existence for two years.
    - The program has no internal or external funding.
  - The **Roger Hadfield Ogden Leaders Program** recognizes undergraduate students at the Ogden Honors College who possess extraordinary ability, commitment, and imagination to pursue a self-guided project of significance to the state of Louisiana. As many as five Ogden Leaders receive up to \$5,000 each to support self-designed, off-campus experiences, enabling them to pursue a passionate interest, develop independent leadership abilities, and contribute to society in a way and to a degree not otherwise possible.
    - The program is in its third year with five awards made to date. Funded projects include the following: the VOLUMEN project which provided access to digital public library resources to grade school children in East Baton Rouge parish; a project to conduct preliminary research for a treatment of Kaposi's Sarcoma; a mentorship program for black adolescent male high school students in the local area; and a program to introduce middle school students to informal philosophical inquiry.
    - The program was initiated in 2012.
    - This program is internally funded from a private, endowed gift
- Within the College of Human Sciences and Education:
  - LA State Youth Opportunities Unlimited (LSYOU) is a high school dropout prevention for at-risk students in 14 parishes/districts, 64 schools, **2063 high school students** (1986 - current), led by Dr. Roland Mitchell after the retirement of Dr. Suzan Gaston. LSYOU has a 75% high school graduation rate (2005-2010). Funded by Tangipahoa School Board.
  - 21<sup>st</sup> Century – This program is an after school case-managed credit recovery program targeted at the most vulnerable high school students for falling behind their peers and into Hull's alternative categories. The program focuses on Woodlawn and Scotlandville High Schools, which serve a population that is at the greatest risk for the factors that contribute to falling behind their peers, including poverty, teen pregnancy, drop outs, illiteracy, etc. (2013-2016) Funded by the Louisiana Department of Education, led by Dr. Roland Mitchell.
  - Coastal Roots Program. Coordinated by Associate Professor Pam Blanchard, School of Education, this K-12 environmental stewardship project in south Louisiana operates in 18 parishes, involves **43 schools**, and educates **4945 K-12 students** (2000-2016). Currently the program has established 121 planting sites in 12 parishes, and planted 44,503 tree seedlings and grass plugs (2000-ongoing). Multiple funding sources include NOAA, donors Harmon and Renae Chandler and individual schools.
  - Yep Village: The YEP Village primarily aims to prevent the development of violent behavior and progression into the juvenile justice system among a cohort of **123 African-American 4<sup>th</sup> and 5<sup>th</sup> grade boys** attending inner city public schools in Baton Rouge, LA.

- The cohort will be served for three years; therefore the boys will progress into middle school over the course of the intervention. YEP Village includes two major components: an after school /summer program and family engagement. (Dr. Judith Rhodes, \$1,499,843)
- LSU Writing Project. Coordinated by Dr. Margaret-Mary Sulentic Dowell, the project provides a number of writing and literature training programs for teachers in grades P-12. The project has provided writing programs in **15 parishes and districts for 463 schools**, trained 759 teachers/administrators and improved writing skills for **110,543 P-12 students (2005-ongoing)**. Funding is provided by the National Writing Project.
  - Behavioral Health Workforce Education and Training for Professionals and Paraprofessionals: The primary goal of this project is to increase the skilled, professional social work labor force in Louisiana and the Delta Region to meet the surging, behavioral health care needs among at-risk youth. Prefaced to such is goal 2: to enhance and expand behavioral health education and training opportunities for Louisiana State University Master of Social Work (LSU MSW) Program students committed to working with vulnerable and underserved populations, specifically youth at-risk for behavioral health disorders. (Dr. Scott Wilks, \$1,404,687)
  - Playground KIDZ is a partnership between the LSU College of Human Sciences & Education's School of Kinesiology and funded by Baton Rouge Recreation and Park Commission (BREC). LSU students plan and implement free after-school programs in three BREC parks located in low income neighborhoods. Children participate in homework help and structured physical activity.
  - Louisiana State Personnel Development Grant: The Louisiana State Personnel Development Grant (LaSPDG) supports 12 districts throughout the state. The project provides on-site technical assistance as well as virtual professional development opportunities through webinars. Regional meetings occur twice a year and one statewide conference is held annually. LaSPDG also supports four mentor districts to assist with the development and delivery of professional development for participating districts. The project develops tools for statewide use and all resources and archived webinars are available statewide on the website. (Dr. Kenton Denny, \$3,647,993)
  - Safe Routes to School Program, coordinated by Melinda Solmon and Birgitta Baker, encourages cycling/walking safety through events and bike/pedestrian safety training for elementary school children. Located in East Baton Rouge Parish, the program involves 2 schools, 80 teachers and staff and 685 students (current), it is funded by the Louisiana Department of Transportation and Development.
  - Safe Routes to School Program: LSU Laboratory School and Facility Services, encourages cycling and walking safely to school. Provides bicycle safety and pedestrian safety to elementary and middle school students. Funded by the Louisiana Department of Transportation.
  - SeaPerch: Using STEM Learning Modules to Improve Middle and High School Science Academic Achievement and Increase Attitudes towards Fields of STEM: SeaPerch is an innovative underwater robotics program that equips teachers and students with the resources they need to build an underwater Remotely Operated Vehicle (ROV) in an in-school or out-of-school setting. Students build the ROV from a kit comprised of low-cost, easily accessible parts, following a curriculum that teaches basic engineering and science concepts with a marine engineering theme. The SeaPerch Program provides students with the opportunity to learn about robotics, engineering, science, and mathematics (STEM) while building an underwater ROV as part of a science and engineering technology

- curriculum. Throughout the project, students will learn engineering concepts, problem solving, teamwork, and technical applications. Event snapshot: 195 teams from 34 states and more than three countries. (Dr. Bridgette Davis, School of Education, \$750,000)
- Believe and Prepare: West Baton Rouge: Working with West Baton Rouge Schools and providing professional development to current teachers as well as providing well-prepared professionals to address the aging workforce of teachers retiring, more specifically highly trained special education teachers.
  - Believe and Prepare: East Baton Rouge Parish Schools: Dr. Stan Barrera and Dr. Cyndi DiCarlo provide mentorship training and professional development to teachers in East Baton Rouge Parish Schools.
  - Believe and Prepare City of Baker Schools: Dr. Margaret Mary Sulentic-Dowell, Dr. Erin Casey, and Dr. Sassy Wheeler provide professional development to City of Baker schools through Arts Integration.
  - Carver Cubs Book Club: Dr. Kim Skinner and Dr. Stan Barrera provide one-on-one reading and writing instruction to approximately 30 children of the Old South Baton Rouge neighborhood. These two weeks of intensive instruction will focus on maintaining and/or improving areas of reading fluency, comprehension, word study, and writing. In addition, this book club will concentrate on fostering a love of and the enjoyment of reading. This opportunity will also provide the students with an individual who will model good reading behaviors.
  - Wellness Ambassador Program (WAP): Through BCJI a grant through the Office of the Mayor, Dr. Tracey Rizzuto in the School of Human Resource Education and Workforce Development works with 20 at-risk youth during the summer through the WAP project. The students will go through wellness, physical activity, career development, and nutrition curriculum during the summer program that will teach them life skills on cooking, resume building, stress relief, etc.
  - Title 4E Program: The LSU School of Social Work, the Department of Children and Family Services, and the consortium of university SSW partners have prioritized the need for a skilled workforce in the area of child welfare. The scope of work may be described as implementation of the stipend program and training and technical assistance to child welfare workers, as well as providing support to the Department of Children and Family Services to develop and/or implement child welfare training initiatives.
  - Baton Rouge Hope Zone: The LSU OSSRD Research evaluators have been working with the Mayor's office, law enforcement and the community over the past four years on multiple efforts directed towards addressing the social and crime problems in Baton Rouge. Currently, the LSU-Research team is working with the Mayor's office to ensure appropriate data collection, evaluation and performance measurement plans are in place for the implementation phase of BR-BCJI Hope Zone.
  - LA SBIRT: A grant funded by the US Department of Health and Human Services, Substance Abuse and Mental Health Services Administration to develop and implement a training program that teaches MSW students the necessary skills to provide screening, brief intervention, and referral to substance abuse treatment. Dr. Catherine Lemieux directs the state wide project which recruits and trains social work students, medical residents, and their supervisors.
  - Choose Hope: The Hope Zone Baton Rouge Byrne Criminal Justice Innovation (Hope Zone BR-BCJI) initiative responds to crime activity and socio-economic drivers of crime with strategic initiatives developed by the City of Baton Rouge and LSU researchers. Dr.

Tracey Rizzuto was a key researcher in developing the Strategic Compatibility Assessment Instrument, a novel measurement tool for identifying opportunities for strategic partnering toward identifying patterns of crime and high-crime neighborhoods, improving relationships between communities and law enforcement, and implementing long-lasting positive change in public safety and health.

- Our faculty and staff serve on 13 state wide and 15 national commissions and boards.
- 129,500 service hours I Through internships, field experiences, and service courses, our students contribute thousands of service hours annually, directly impacting our community
- Within the College of Humanities and Social Sciences
  - Climatology/Climate Change (Serve the entire state population, funded through grants and contracts) ○ **Louisiana Office of State Climatology**-LSU Geographer Barry Keim provides statewide science-based data on climate to inform climate-sensitive policy decisions at the state and local level.
  - **Southern Regional Climate Center**-LSU Geographer Kevin Robbins provides climate information to a variety of private industries and public institutions to enhance planning and management decisions and to resolve incident related problems related to their business activities. As a part of a network of southern states, the Southern Regional Climate Center work closely with scientists from other regional and federal climate centers to enhance climate services for Louisiana stakeholders.
  - Clinical Health Services (Serves children, adults, and LSU students, funded primarily through fee for service)
  - **Speech Pathology and Speech Disorders**-LSU Communication Sciences and Disorders faculty provide a wide array of clinical serves to children throughout the state including cleft palate and auditory processing language literacy evaluation. The faculty provide the only multidisciplinary pediatric feeding team in the entire state. The Department of Communication Sciences and Disorders houses the only stoboscopy clinic in the state
  - **Psychological Services Center**-The Psychological Services Center (PSC) is an on-campus unit of the LSU Department of Psychology that offers testing and outpatient psychotherapy services for adults, adolescents, and children. The faculty and staff serve both LSU students and people from the surrounding Baton Rouge community while providing graduate student training and conducting research in clinical and school psychology.
  - Secondary Education and College Readiness (Serves high school students in the Baton Rouge Metro Area and places LSU graduates in teaching positions in Louisiana and elsewhere)
  - **GeauxTeach Humanities and Social Sciences**-English, French, History and Spanish majors can earn secondary education certification while earning a Bachelor of Arts degree in English, French, History or Spanish. Students spend four semesters embedded in schools across the Baton Rouge area. Students graduate with a teaching certification and can transition immediately into school systems throughout the state.
  - **Critical Humanities Initiative**: HSS faculty have partnered with East Baton Rouge Parish schools to provide a unique learning framework for the students and professional development opportunities for teachers, emphasizing critical literacy, civic engagement, and action research.
    - **College Readiness**-HSS faculty are engaged in collaborative relationships with schools in the Baton Rouge area to provide college readiness courses and dual

enrollment programs. HSS college readiness programming provides students in the Baton Rouge area with enrichment opportunities and positions the students for college success.

- **LSU FACES Laboratory** (Serves law enforcement agencies across the state)-LSU Physical Anthropologists support the efforts of state and local law enforcement agencies through a variety of forensic expertise, such as 3D facial reconstruction of skeletal remains and skeletal recovery and identification. The laboratory also maintains the statewide database of Louisiana's missing and unidentified persons.
- **Louisiana Population Estimates Program** (Serves all Louisiana parish and municipal governments as well as the Louisiana legislature) - LSU Sociologists develop annual population estimates for all Louisiana parishes and participating Louisiana municipalities. The estimates are utilized by the Louisiana legislature for the distribution of selected revenues.
- **Public Policy Research Lab** (Serves the entire state and is funded through grants and contracts) - is a joint effort between the LSU Reilly Center for Media & Public Affairs and the LSU College of Humanities and Social Sciences. The Public Policy Research Lab offers a variety of research services including phone surveys, online surveys, mail surveys, in-person intercept surveys, and focus groups. The lab also provides social media monitoring and analysis via Radian6, and demographic mapping services via ArcGIS.
- *Within the School of Mass Communication*
  - The **Scripps Howard Academic Leadership Academy** celebrated its 10th anniversary in 2016. The four-day meeting brings together people who were considering academic administration or are very early in the process of assuming administrative duties. The program has drawn people from all over the country, several of which have already stepped into positions as deans and department chairs
    - Since 2006, nearly 170 mass-communication professors and professionals have learned what it's like to be an administrator.
    - The program often receives more than 50 applications for the 15-18 or so spaces that are available.
    - The program is fully funded by the Scripps Howard Foundation.
  - The **Mass Communication Residential College (MCRC)** is a freshmen-only program designed to aid in second year retention by giving new students an instant academic and social support system. The students in the MCRC consistently have the highest freshmen grade point averages of all the residential colleges on campus.
    - Opened in 2010.
    - Containing approximately 90 mass communication students; two faculty members split the rector duties.
  - The **Louisiana Scholastic Press Association Summer Journalism Institute** teaches more than 40 high-school students, about half of them students of color, about journalism during a week-long summer program housed at LSU and Manship.
    - The most recent Institute was held June 5-11, 2016.
    - Student scholarship money is provided by LSPA and the Louisiana Associate of Broadcasters. The institute has served students for more than a decade.
  - The **Louisiana Scholastic Press Association Fall Conference** hosts more than 200 high-school students (and their media advisors), for a day-long event that includes journalism training as well as a competition of the students'/schools' work.
    - This year's conference is slated for October 27, 2016.



- Free to all high school students and logistical funds are provided by LSPA.
  - **The Manship Expert Speakers Program** will formally begin this year as a service to high schools who would like our faculty to come to their classes and speak on different topics, this year notably, the presidential election.
    - More than 350 packets were sent to high school media advisors across the state of Louisiana in the middle of September 2016.
    - We offered our faculty and/or to host a field trip to visit their schools or ours with tailored content.
    - So far, we have executed a half-dozen faculty talks and hosted one field trip to the Manship School
- Within the College of Music & Dramatic Arts
  - LSU CMDA houses the **Performing Arts Academy** which offers (for a fee) music lessons on various instruments. Open to the general public and typically taught either by LSU instructors or CMDA students
    - Approximately 75 local area students will enroll for various amounts of time throughout any given year
    - involves approximately 20 LSU faculty/students o in existence 5 years
    - self funded
  - LSU School of Music produces approximately 300 concerts/recitals/master classes every year that are either open to the public for free or ticketed.
    - 300 students across all ensembles/concerts
    - ticket sales in the multiple thousands each year
    - has been happening throughout the history of the school
  - LSU School of Theatre produces approximately 14 main stage and small stage productions every year, ticketed, and open to the public
    - involves most of the population of LSU theatre students in some capacity, approximately 250 o in existence since the school has existed
    - funded through ticket sales/University funding
- Within the Center for Computation & Technology in partnership with School of Music and the Division of Computer Science and Electrical Engineering: The LSU Center for Computation & Technology provides partnership and support for many LSU academic departments, building areas of excellence in computational science and technology across disciplines and creating opportunities for new curricula development. Being a unique and diverse center, the CCT provides many opportunities for the community.
  - Summer Camps are week long educational opportunities provided for middle through high-school students. The topics vary but all have an underlying theme: Computation (programming music, high-performance computing, coding, computational math, simulations and game design). The CCT provided nine camps this past summer educating approximately 270 youth.
  - The Red Stick International Festival introduces and celebrates Louisiana's achievements within Science, Technology and Art. We had over 1,000 participants over the three-day event in 2016 and the festival included activities such as: FutureFest—a creative showcase of student's work from schools in the region; a Video Game Summit with leaders in the field discussing future skill requirements and current trends; a video game tournament by the Independent Gaming League; Kids Lab including exhibits from NASA and Knock Knock Children's museum; Maker Expo, including displays from Electronic Arts and other local makers; animation exhibits/workshops; an evening movie at a local library;

- and an immersive interactive visual performance called “A Creative Exploration of Sound and Light” presented at the Louisiana Arts & Science Museum.
- The LSU Digital Media Arts and Engineering program and CCT brings the Global Game Jam to Baton Rouge every year. The Jam is the world’s largest game jam event, connecting Louisiana with 518 locations in 78 countries, contributing to the global spread of game development and creativity. This event is open to high-school students through professionals, teaches multiple workshops to participants, and is an around-the-clock, 48-hour artistic, innovative hackathon!
  - Every summer the CCT runs a NSF funded Research Experience for Undergraduate Student program for ten weeks, encouraging interdisciplinary research with groups exploring gravitational waves, complex emergent phenomena in material science, computational music, etc. The participants experience activities that characterize research careers such as: presenting their research and participating in scholarly forums, and working on the soft- and hard-skills needed to work in an inter-disciplinary research team.
  - The CCT faculty and staff are actively engaging with the community to share their excitement year-round. The events listed above are just a few. Other activities include experimental music concerts, partnerships with high schools, Louisiana Art & Science Museum displays, computational training classes, and scientific workshops and conferences that bring multitudes of international and national people to the Baton Rouge area.
  - Within the College of Science:
    - In the 2014-15 year, 1,615 LSU students visited a total of 686 K-12 classrooms as part of the **ChemDemo Program**, thereby impacting around 17,150 K-12 students by hands-on chemistry experiments with relevance to everyday life.
      - This program has external support that varies from year to year, but is typically in the \$2,000-5,000 range, from donors including Dow, ExxonMobil, and the American Chemical Society (ACS) Baton Rouge Section.
      - Because a large fraction of the classroom visits are to East Baton Rouge Parish public schools, the program has a disproportionate impact on minority students.
      - This program was also extended to a broader **ScienceDemo Program** through a Louisiana Board of Regents Support Fund grant.
    - The **Louisiana Biomedical Research Network (LBRN)** - \$5,742,799.18 - The network, established in 2001 with funding by the National Institutes of Health, through the National Center for Research Resources Grant, is committed to raising the research competitiveness of Louisiana researchers. LBRN expands and improves the critical mass of biomedical investigators at primary PUI campuses through the support of mentored research and enhanced communication as well as increases student interest in biomedical research careers throughout Louisiana by providing summer research opportunities to all institutions within the State. Direct research funding to other institutions in the state:
      - LSUS - \$1,825,993.06
      - LSUS HSC - \$120,436.46
      - LaTech - \$2,014,675.66
      - ULM - \$1,781,694.00
      - Xavier, \$1,622,353.39
      - Tulane, \$40,896.00
      - LSU HSC, \$424,791.51

- Southern University, \$1,397,236
- The **Louisiana Space Consortium (LaSPACE) Program** is a Louisiana organization in the National Space Grant and Fellowship Program network, which was designed to network colleges, universities and state education boards with partners in business, industry and the non-profit sector in order to promote, develop, and strengthen aerospace science, research, technology, education, and awareness.
  - Consortium includes 29 institutions throughout Louisiana. LSU is the lead institution.
  - Serves nearly 100 Louisiana undergraduate and graduate students annually (scholarships and fellowships).
  - Provides support for early career researchers and funding in-service teacher development
  - NASA Investment in 2015: \$575K; Board of Regents investment (2010-2015): \$250K; LSU Cost Share Contribution \$100K
- **Math and Science Week for Middle School Students:** In June 2014, the College of Science launched Math and Science Week, which allows middle school students from area high schools to spend one week exploring the science programs in the College of Science. Each day of the program is dedicated to one of the five College of Science departments including biological sciences, chemistry, geology and geophysics, physics and astronomy and mathematics. The students participate in hands-on activities, lectures and discussions to expose them to the research and career opportunities available to students majoring in science and mathematics fields.
- **Super Science Saturday**
  - Super Science Saturday (SSS) is a free Science, Technology, Engineering and Math (STEM) education event for students in kindergarten to 12th grade, parents, and anyone interested in seeing science in action. SSS is sponsored by LSU Chemistry, the Baton Rouge local section of the American Chemical Society (ACS), and LSU Athletics.
  - SSS is held each Fall, usually around National Chemistry Week. This year there will be 19 stations with hands-on demonstrations and activities to engage students and adults alike. Each K-12 student that attends is given a Passport at the check-in area that has blocks for all the activity stations. When the student visits the station and participates in the activities the Passport is stamped. After visiting all the activity stations located around the concourse level of the PMAC they will receive some small gifts at the check-out area. Many regional K-12 teachers give students with a fully-stamped Passport some bonus points for attending and learning some science – so hang on to those Passports if that is the case.
  - The activity stations this year will be staffed by Albemarle, BASF, Dow, ExxonMobil, the Greater Baton Rouge Industry Alliance, LSU College of Science Departments and organizations, the Laser Interferometer Gravitational-Wave Observatory (LIGO), and Our Lady of the Lake College Chemistry Department.
  - The event is free, but we are collecting non-perishable food items (and/or monetary donations) for the Baton Rouge Food Bank.
- **Math Circle**
  - Established in 2006, the LSU Math Circle summer enrichment program is a four-week math summer camp at Louisiana State University in Baton Rouge, LA designed to introduce high school students to the complex world of college mathematics.

- High schoolers with a passion for math come together to learn university-level material in disciplines like combinatorics, number theory, probability, topology, dynamical systems, and more, taught by graduate students and math faculty at LSU.
  - Over the course of the program, students develop problem-solving abilities, critical thinking skills, and logical reasoning through projects, games, and puzzles based on advanced mathematical topics.
- **High School Math Competition:** On March 18, 2017, the LSU Department of Mathematics will host its sixteenth high school mathematics contest. It is a chance for students to test their mathematical mettle in individual competition, for students to engage in team competition, and for teachers to meet and mingle with colleagues and LSU faculty.
  - More than 400 undergraduate and graduate project participants throughout La from 1991-2015
  - Over 1,000 pre-college educators supported through workshops, seminars and outreach projects
- **LA-SiGMA Data Visualization High School Course and iBook Development** at the Louisiana School for Math, Science, and the Arts (LSMSA) is a residential high school serving high aptitude and highly motivated students from across the state of Louisiana. Roughly 50% of LSMSA's student body are categorized as being from a rural population.
- **Biology Intensive Orientation for Students (BIOS)** is a one week intensive program specifically for incoming biological sciences majors and other freshmen whose majors require them to take Biology 1201. This program is designed to help these students make the transition to the expectations of college prior to the start of the fall semester.
  - In the last five years, 1,398 students have completed BIOS.
  - 75% of the students (1,049) reside outside of the Baton Rouge area.
- The LSU College of Science has the longstanding **GeauxTeach** program that enables science majors to gain teaching credentials during their four years of study at LSU, so that they can enter the K-12 classroom upon graduation. They also run a number of summer programs for teachers, primarily in math and biology, allowing them to earn a master's degree and bring higher-level expertise into their classroom.
  - Approximately 10-15 College of Science students graduate from the GeauxTeach program each year.
  - One Math student, Michelle Laskowski, is 2015 mentor in the Duke University Talent Identification Program, or Duke TIP, at the Pisgah Astronomical Research Institute Observatory in Rosman, North Carolina.
- Professor of Biological Sciences Kyle Harms has ongoing ecological research activities in the high-diversity plant community at the **Camp Whispering Pines Girl Scout Camp** near Independence, LA. Over the past ten years, Dr. Harms and his research team have led educational and outreach activities at the camp for girls and their families allowing them to educate hundreds of Louisianans about the natural history of Louisiana, and the importance of basic research and environmental stewardship.
- **Saturday Science at LSU series** - One Saturday a month, area high schools are invited to attend a talk or other presentation by an LSU faculty member in science and engineering. The program has run continuously for over 25 years. Invitations are sent to about 100 area science teachers and principals.
- The **Initiative for Maximizing Student Diversity (IMSD) Program's** mission at LSU is to provide research training, academic development, and career opportunities to a diverse group of

graduate and undergraduate students in the biomedical or behavioral sciences, while enhancing diversity in the biomedical and behavioral sciences.

- The program has been funded by NIH since 2004, at >\$1M/5 years.
- Participants include around 10 undergraduates and 2 graduate students each year.
- The LSU College of Science is one of only 7 sites in the country selected by the Howard Hughes Medical Institute for host a **Summer Institute (The Gulf Coast Summer Institute)** to provide leadership for faculty across the country in best practices in bioscience education. In summer 2014, we hosted 37 participants from 12 universities in 7 states.
- Most of the active grants from industry are petrochemical in nature or source. Major active grants (those over \$100,000 and closing after January 1, 2015) include:
  - Mileva Radonjic (PETE), \$723,910 from Shell, to study improved cement isolation
  - Peter Clift and Juan Lorenzo (Geology), \$627,830 from Exxon Mobil, to study “Modern Point Bar Architecture”
  - John Day and Robert Lane (Coast & Environment), \$335,261 from Tierra Resources LLC, to study carbon allocation in wetland soils
  - Dandina Rao (PETE), \$307,809 from Sasol Chemicals LLC (USA), to study enhanced oil recovery
  - Mayank Tyagi (PETE/CCT), \$186,694 from Shell, to study modeling of refluxing in subsurface wellbores
  - Arash Dahi (PETE), \$160,000, from Shell for studying the geomechanics of internal blowouts
  - Jennifer Abraham (Libraries/Oral History) received \$217,193 from the Imperial Calcasieu Museum for the Mossville Community Oral History Project
  - Mandi Lopez (VetMed) has \$180,943 from Epibone to do a graft dosing study
  - Shahab Meraeen (EECS) received 170,400 from Entergy to study cost-effective solutions to problems caused by renewable energy
  - Blaise Bourdin (Math) received \$145,000 from Chevron to study variational fracture approach to reservoir simulation
  - Craig Harvey and Rick Koubek (Engineering) received a \$239,682 grant from Roche Diagnostics for a Promotional Claims Validation Study
  - Other active projects under \$100,000 in funding include support from Shell, Albemarle, Proesim, Enervana Technologies, Matrin Ecosystems, Geostellar Engineering LLC, Zoetis LLC, NCH Corp, Evisive Inc, CarFax and Experian.
  - There are several major projects that ended in 2014 that are of note:
    - David Floyd (Rural Life), \$1,343,944 from PNK Partnership – Pinnacle Entertainment Inc, for Phase III Cultural Resource Survey
    - John Pardue (Civil & Environmental Eng), \$850,000 from BP Exploration and Production, to study Biodegradation Processes in Oiled Marshes
    - Gary King (Biology), \$597,706 from BP Exploration and Production, to study a multidisciplinary analysis of linkages among wetland vegetation
    - Mark Benfield (Coast & Environment), \$373,045 from BP Exploration and Production, to create a 2010 Offshore Zooplankton and Ichthyoplanton characterization
- The **Louisiana High School Rally Association (LHSRA)** is a voluntary, non-profit, educational association of middle and junior units of a school (i.e. 8-12 grades in a K-12 school or ninth grade centers), home schools, and senior high schools that are recognized by the State Department of

Louisiana and the colleges and universities that coordinate the district and state competitions each year.

- An academic tradition since 1909, today's State Rally aims to foster a sense of fair competition among participating schools across Louisiana.
- 15,000 district rally participants in ten districts participate with more than 6,000 district winners advancing to the State Rally held at Louisiana State University.
- A competition that once included declamation, spelling, obstacle courses, and potato-sack races has grown to more than seventy-eight events, and includes participation from about 500 Louisiana middle schools and high schools as well as eleven state colleges and universities.
- LHSRA awards 44 scholarships to overall winners, who in turn must attend an in-state institution.
- The **Louisiana Science & Engineering Fair** and the **Region VII Science & Engineering Fair** are LSU-based educational programs that provide unique opportunities for public, private, and home school students in grades six through twelve. Through development and presentation of science and engineering projects, students enhance their abilities to make observations; ask questions regarding scientific phenomena; formulate ideas regarding the solution to a program; develop and carefully follow procedures related to finding an answer or solution to a problem; and effectively present their works to society. (This year's (2015) international fair included more than 1,700 students from 422 affiliate fairs in approximately 75 countries, regions and territories.)
- The Center for Energy Studies (ENGR) hosts the **Petroleum Technology Transfer Council (PTTC)** Louisiana sector of the Gulf Coast Region. The goal of the PTTC is to connect independent oil and natural gas producers with technological solutions in exploration, drilling and completion, operations and production, reservoir and development, and environmental issues - when they need it. The PTTC identifies opportunities for co-sponsored events and stand-alone workshops through extensive interaction with oil and gas associations, professional societies, state agencies, oil and gas operators and the service sector. The American Association of Petroleum Geologists manages PTTC activities.
- The mission of the **LSU Museum of Natural Science** is acquisition, preservation, and study of research collections by museum faculty, staff, students and associates to generate knowledge of global biodiversity and human prehistory, to promote an understanding and appreciation of nature through excellence in science education for the benefit of the people of the state, the nation, and the world.
  - Led tours and presented bird specimens during the Grand Isle Migratory Bird Celebration.
  - Museum staff led boat tours to view eagle's nests as part of the Eagle Expo tour.
  - Museum staff led field trips as part of the Shorebird Extravaganza.
  - Museum collection managers Steve Cardiff and Donna Dittman with help from state agritourism expert Dora Ann Hatch, created the Yellow Rails Rice Festival in Jennings, LA. Now in its seventh year, draws participants from across the state and this year is expecting participants from 21 states.
  - Served 3,500 students K-12 students through field trips and museum tours last year.