

# Scholarship First Investment Package

**\$105 Million request to enhance academic and research productivity in key strategic areas.**

This will enable the recruitment of world-class faculty and address critical challenges facing Louisiana, while driving student outcomes and prioritizing student success.

## Agriculture

**Appropriation Request: \$19.25M**

### Intended Use of Funds:

- **\$5.75M for Research Station Facility Modernization & Equipment Upgrades** (AgCenter)
- **\$5M for the LSU Eunice STEAM Innovation Center Initiative**
- **\$4M for Agriculture Extension/National Model** (AgCenter)
- **\$2.25M for Strategic Initiatives in Precision Agriculture** (LSU AgCenter)
- **\$2M for Clinical Trials Center in Infectious Disease** (Vet. Med)
- **\$250K for Broadband Extension Services** (AgCenter)

## Biotechnology

**Appropriation Request: \$35M**

### Intended Use of Funds:

- **\$13M for Recruitment and Hiring of Cancer-related Faculty** (all campuses)
- **\$8M for Faculty Startup Packages at Pennington Biomedical**
- **\$5M for Equipment for innovative Clinical Cancer Medicine** (Vet. Med)
- **\$4M to support Startup for Endowed Chair in Cancer** (LSU)
- **\$2M for Bioinformatics/Data Science Infrastructure** (all campuses)
- **\$1.25M for Artificial Intelligence Applied for Medical/NCI** (all campuses)
- **\$1.25M for Artificial Intelligence Applied for Medical/Viral** (all campuses)
- **\$500K for Artificial Intelligence for Ag. Variety Development** (LSU, AgCenter)

## Coast & Environment

**Appropriation Request: \$9.45M**

### Intended Use of Funds:

- **\$6.1M for Faculty Startup Packages** (Engineering, Science, HSS)
- **\$1.25M to replace trailerable Coastal/River Research Vessel and research-grade field instrumentation.** (multi-college use at LSU)
- **\$500K for Coastal HF RADAR** for real-time observation of coastal ocean currents and sea conditions (LSU)
- **\$500K for Flood-Prone Infrastructure/Housing Resilience Study** (LSU)
- **\$450K for Parish-based Storm Surge Modeling** (LSU)
- **\$350K for a Coastal Hydraulics Laboratory and physical testing tanks** (LSU Center for River Studies)
- **\$300K for Buoy System Improvements** (LSU)

## Cybersecurity & Military Science

**Appropriation Request: \$30.15M**

### Intended Use of Funds:

- **\$20M for Nationally Significant Supercomputer for A.I.** (LSU)
- **\$7.2M for Defense Cybersecurity**
- **\$750K for MFG Cyber-defense** (LSU / AgCenter)
- **\$650K for Data Analytics Workforce Dev.** (all campuses)
- **\$500K for LSUA Center for Technology Innovation**
- **\$300K for a Data Visualization & Science Gateway Portal**
- **\$300K for Computer Science Workforce Dev.** (LSUA, LSUE, LSUS)
- **\$200K for Cyber/Data Science Infrastructure** (LSUS)
- **\$250K for Health System Cyber-defense Trial** (LSUHSC-S)

## Energy

**Appropriation Request: \$11.25M**

### Intended Use of Funds:

- **\$1.9M for a Pilot-scale Electrolysis Facility for CO2 Utilization** (LSU)
- **\$2.5M for Carbon Management Innovation Center** (LSU)
  - > **\$1.5M for an Industry Technical Assistance Center**
  - > **\$1M for LA Geological Survey, CO2 and Aquifer Study**
  - > **\$1M for Farm Sequestration/Runoff Study**
  - > **\$1M for Coastal Zone Carbon Sequestration Study**
  - > **\$900K for a Carbon Management Finance Group**
  - > **\$750K for Rural Ports CO2 Handling/Sequestration Study**
  - > **\$700K for Carbon Management Workforce**

### Areas of Inter-dependency

- Agriculture
- Biotechnology
- Coast & Environment
- Cybersecurity & Military Science
- Energy

# Scholarship First Investment Package

**\$105 Million request to enhance academic and research productivity in key strategic areas.**

This will enable the recruitment of world-class faculty and address critical challenges facing Louisiana, while driving student outcomes and prioritizing student success.

## Agriculture

**Appropriation Request: \$21.5M**

### Intended Use of Funds:

- **\$5.75M** for Research Station Facility & Equipment Modernization (AgCenter)
- **\$5M** for the LSU Eunice STEAM Innovation Center Initiative
- **\$4M** for Agriculture Extension/National Model (AgCenter)
- **\$2.25M** for Strategic Initiatives in Precision Agriculture (LSU AgCenter)
- **\$2M** for Clinical Trials Center in Infectious Disease (Vet. Med)
- **\$1M** for Farm Sequestration/Runoff Study
- **\$750K** for MFG Cyber-defense (LSU / AgCenter)
- **\$500K** for Artificial Intelligence for Ag. Variety Development (LSU / AgCenter)
- **\$250K** for Broadband Extension Services (AgCenter)

## Biotechnology

**Appropriation Request: \$34.5M**

### Intended Use of Funds:

- **\$13M** for Recruitment and Hiring of Cancer-related Faculty (all campuses)
- **\$8M** for Faculty Startup Packages at Pennington Biomedical Research Center
- **\$5M** for Equipment for innovative Clinical Cancer Medicine (Vet. Med)
- **\$4M** to support Startup for Endowed Chair in Cancer or related studies (LSU)
- **\$2M** for Bioinformatics/Data Science Infrastructure (all campuses)
- **\$1.25M** for Artificial Intelligence Applied for Medical/NCI (all campuses)
- **\$1.25M** for Artificial Intelligence Applied for Medical/Viral (all campuses)

## Coast & Environment

**Appropriation Request: \$9.45M**

### Intended Use of Funds:

- **\$6.1M** for Faculty Startup Packages (Engineering, Science, HSS)
- **\$1.25M** to replace trailerable Coastal/River Research Vessel and research-grade field instrumentation. (multi-college use at LSU)
- **\$500K** for Coastal HF RADAR for real-time observation of coastal ocean currents and sea conditions (LSU)
- **\$500K** for Flood-Prone Infrastructure/Housing Resilience Study (LSU)
- **\$450K** for Parish-based Storm Surge Modeling (LSU)
- **\$350K** for a Coastal Hydraulics Laboratory and physical testing tanks (LSU Center for River Studies)
- **\$300K** for Buoy System Improvements (LSU)

## Cybersecurity & Military Science

**Appropriation Request: \$29.4M**

### Intended Use of Funds:

- **\$20M** for Nationally Significant Supercomputer for A.I. (all campuses)
- **\$7.2M** for Defense Cybersecurity
- **\$650K** for Data Analytics Workforce Development (all campuses)
- **\$500K** for LSUA Center for Technology Innovation
- **\$300K** for a Data Visualization & Science Gateway Portal
- **\$300K** for Computer Science Workforce Dev. (LSUA, LSUE, LSUS)
- **\$200K** for Cyber/Data Science Infrastructure (LSUS)
- **\$250K** for Health System Cyber-defense Trial (LSUS, LSUHSC-S)

## Energy

**Appropriation Request: \$10.25M**

### Intended Use of Funds:

- **\$1.9M** for a Pilot-scale Electrolysis Facility for CO2 Utilization (LSU)
- **\$2.5M** for Carbon Management Innovation Center (LSU)
  - › **\$1.5M** for an Industry Technical Assistance Center
  - › **\$1M** for LA Geological Survey, CO2 and Aquifer Study
  - › **\$1M** for Coastal Zone Carbon Sequestration Study
  - › **\$900K** for a Carbon Management Finance Group
  - › **\$750K** for Rural Ports CO2 Handling/Sequestration Study
  - › **\$700K** for Carbon Management Workforce