

Southern University and A&M College
Baton Rouge, Louisiana

Stakeholders Engagement

by

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College of Sciences and Engineering



Largest HBCU (Historically Black College and Universities) System in the country

Five Institutions, located on three campuses:

- Baton Rouge Campus
- New Orleans Campus
- Shreveport Campus
- Law Center
- Agricultural Research Center

System Facts

- 1881 opened in New Orleans, La
- 1890 Agricultural and Mechanical Department established
- 1891 recognition as a Land Grant College

Southern University



Agricultural & Mechanical College

OUR MISSION...

Mission

The mission of the College at Southern University and A&M College, a Historically Black, 1890 land-grant institution, is to provide STEM education for a diverse group of students, services to the community through teaching and research, and innovations necessary for CSE graduates to become productive, informed citizens prepared to meet the demands of the STEM driven, ever-changing global industry.

OUR Vision...

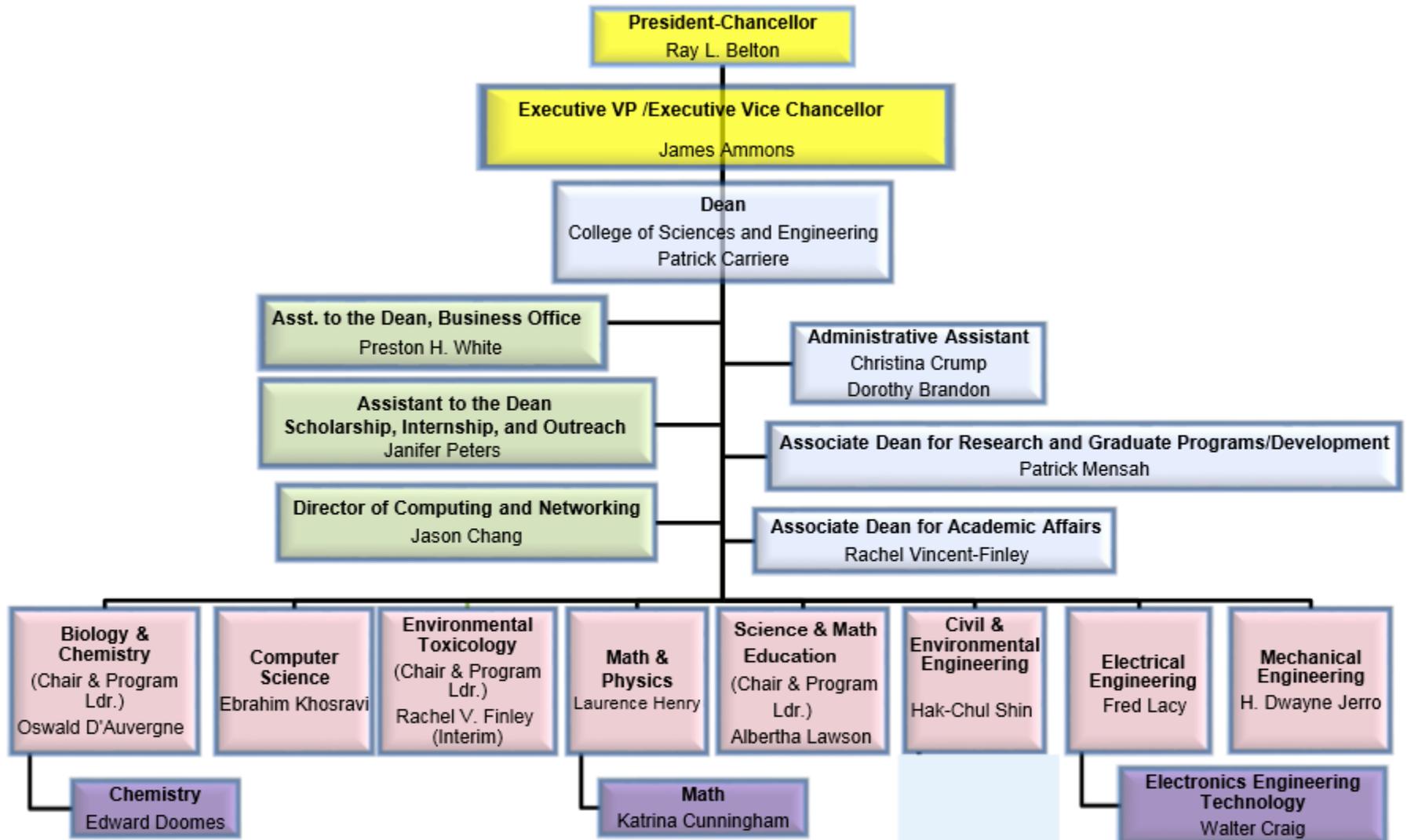
VISION

To be an effective, experienced-based instruction led by a team committed to excellence in preparing students for success in STEM professions, through research, community services, and collaborations necessary to meet the demands of a global society

CSE STRATEGIC GOALS

1. Enhance the infrastructure necessary to maintain and develop high-quality programs
2. Establish and maintain high-quality academic, research, and support programs
3. Increase student outreach, enrollment, and success rates to nationally competitive levels
4. Improve the recruitment, development, and retention of high-quality faculty and staff

College of Sciences and Engineering – Organization Chart



CSE Advisory Board

Name	Job Title	Company
Mr. Christopher Bakken III	Executive Vice President, Nuclear Operations	Entergy
Mr. Freddie Douglas	Director	NASA, John C. Stennis Space Center
Mr. Wilbert Ferdinand Jr.	BR Refinery Risk Management Advisor	Exxon-Mobil Co.
Dr. Robert Ford,	CEO	DRF Industries, LLC
Mr. John McGee	NA Operational Excellence Implementation Leader	BASF Corporation
Ms. Aknesha Miller	Chief Operating Officer	ARKEL International
Ms. Lenette Newbold	Global Fabric Enhancer Leader	P&G Co.
Mr. Stephen Pierre	LAO Logistics	The Dow Chemical Co.
Ms. LaQuitta Thomas	Project Execution/Demand Creation IT	Texas Instruments Inc.
Mr. Stephfon Walton	Client Care Project Executive and Technical Support Lead	WW STG Client Enablement and Systems Assurance
Mr. Darrell Warner	Former Director, Integrated Quality	The Boeing Co.
Dr. Isiah Warner	Vice President for Strategic Initiatives	Louisiana State University
Mr. Morgan Watson	President, MEL, Inc.	MEL, Inc.

CSE DEGREE PROGRAMS

UNDERGRADUATE PROGRAMS

SCIENCE

1. Biology
2. Chemistry
3. Computer Science
4. Physics

TECHNOLOGY

1. Electronics Engineering Technology

ENGINEERING

1. Civil Engineering
2. Electrical Engineering
3. Mechanical Engineering

MATH

1. Mathematics

GRADUATE PROGRAMS

MASTER

1. Master of Engineering
2. Master of Science in Computer Science
3. Master of Science in Biology
4. Master of Science in Math/Physics

PHD

1. Environmental Toxicology
2. Science/Math Education

ACCREDITATION STATUS

All Engineering, Technology and Computer
Science Programs are Accredited

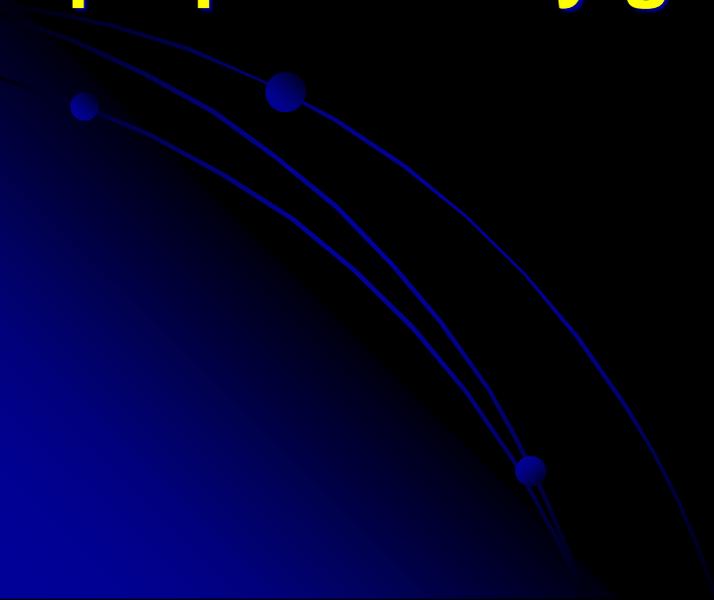
by

Accreditation Board for Engineering and Technology

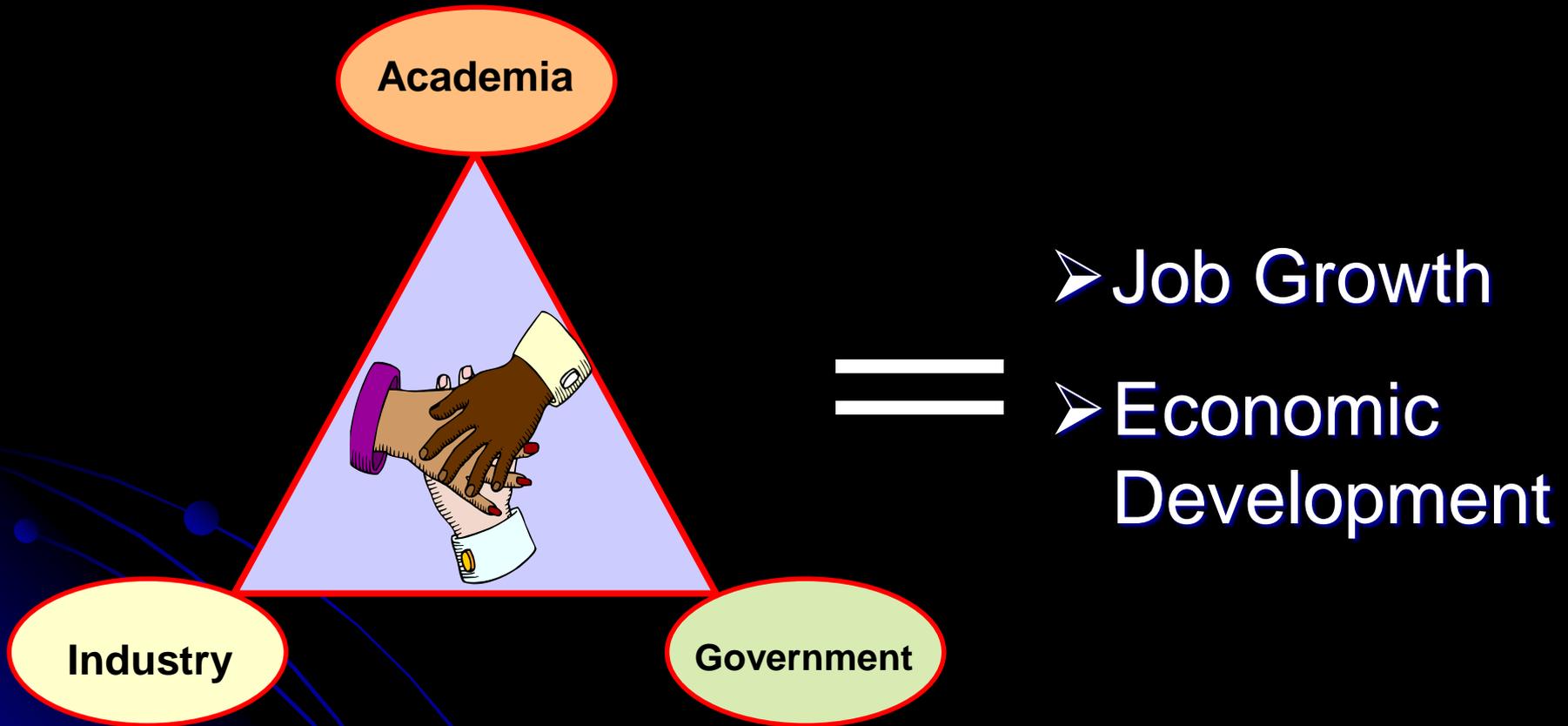


Moving CSE forward

Realizing our Vision requires the engagement of stakeholders such as government, industry, and alumni which will help us prepare ready graduates for the workforce



Strategic Partnerships



**Forging Partnerships... Sharing Goals
Meeting America's Need for STEM Talent**

Stakeholders Engagement

STUDENT RECRUITMENT/RETENTION

- **STEM Summer Outreach Programs and Recruitment**
 - To expose middle and high school students to STEM discipline
- **Shadow Program**
 - To prepare high school students for college entrance
- **Scholarships and Educational Assistance**
 - To attract and retain outstanding students
- **Retention and Learning Center**
 - To support academic assistance for students at-risk
- **Student Conference Travel**
 - To develop student soft skills

Stakeholders Engagement

ACADEMIC PROGRAMS

- **Senior Design Project Sponsorship**
 - To provide realistic design problems for students and to establish links to future workforce
- **Instructional Lab Enhancement “Adopt A Lab”**
 - To replace equipment, provide supplies and upgrade lab
- **Internships**
 - To provide students real world experience
- **Advisory Board Membership**
 - To provide input for curricular content reform to better prepare our students for the workforce

Stakeholders Engagement

FACULTY RECRUITMENT/RETENTION

- **Faculty Development Opportunities**
 - To provide summer or sabbatical work opportunities
- **Endowed Professorship “ Adopt a Professor”**
 - To attract and retain outstanding faculty dedicated to education and research

Engagement Benefits

“QUALITY STUDENTS ARE THE VERY ESSENCE OF QUALITY WORKFORCE”

Industry

- **Provide industry with an avenue to contribute to the community and higher education**
- **Identify talented students to meet your hiring needs**
- **Maintain research focus on your needs**
- **Facilitate efficient transfer of research results to industry/government**

University

- **Recruit and retain high-quality students**
- **Reduce dependence on state funding**
- **Engage constituencies in college activities**
- **Provide state-of-the-art facilities to enhance the learning environment**
- **Recruit and retain high outstanding faculty through named endowments**

FACILITIES



P.B.S. Pinchback

Civil, Electrical, Mechanical,
and Electronics Engineering
Technology

FACILITIES



William James Hall
Biology and Physics



James W. Lee Hall
Chemistry and
Environmental Toxicology
Ph.D Program

FACILITIES



T. T. Allain Hall
Mathematics and
Computer Science



J. W. Fisher Hall
Science, Math, Education
(SMED) Ph.D Program

*New Proposed Science Complex
(\$48 million)*

