

# BIOMEDICAL SCIENCES PATHWAY TEACHER PAMPHLET

Louisiana State University

LSU

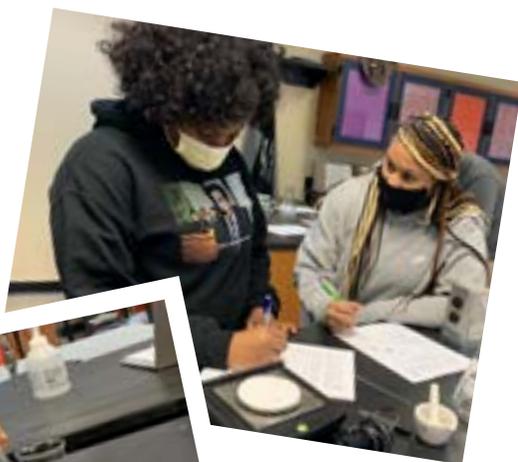
## GOAL

Increased preparedness for collegiate studies in the biological sciences, while providing opportunities for experiential learning and cultivating effective communication skills.

## STEM ENDORSEMENT

<https://louisianabelieves.com/courses/louisiana-stem-initiative>

- Silver Endorsement: Take the four required Biomedical Science core courses
- Gold Endorsement: Take any additional four elective courses listed on the Biomedical Science pathway brief



## WHO DOES THE PATHWAYS?

Students: Any TOPS University or TOPS Tech student

Teachers: Any teacher who is certified by LSU to teach the LSU electives

## WHY DO THE PATHWAYS?

Become a STEM teacher leader in your school

---

No high-stakes end of course testing such as an AP test or the LEAP2025

---

Opportunities to participate in several grants and research projects

---

Ability to tailor a ready-made curriculum to your student population

---

Active support from peers in your cohort and curriculum developers

# Computing Pathway

Louisiana State University

# LSU

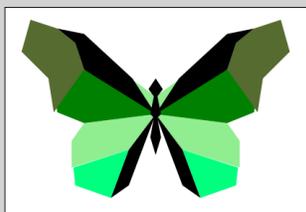
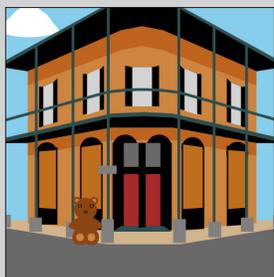
Middle &  
High School  
Teachers

## Why Teach Computing?

Only 23% of Louisiana public schools offer computer science courses, but careers in this field are growing rapidly in Louisiana. Computer science skills are necessary for students to compete in the 21st century job market. The LSU Computing Pathway is designed for TOPS University and TOPS Tech diploma-seeking students. It offers courses for students to earn statewide industry-promulgated credentials, as well as a Silver or Gold STEM Diploma Seal.

## Requirements for Teachers

- » Complete a summer training course on the computing pathway course you will teach
- » Teach at least one computing course
- » Attend one community of practice meeting each month during the school year
- » Maintain an open line of communication with LSU Computing Pathway staff



**Qualified teachers receive \$4,100 per year for teaching courses**

**Ability to earn graduate credit for course training**

**Expand computer science education in Louisiana**

**Bring new opportunities to your students**

**Become a STEM teacher expert and leader in your school**



[brbytes.org](http://brbytes.org)

# DIGITAL DESIGN & EMERGENT MEDIA PATHWAY FOR TEACHERS

Louisiana State University



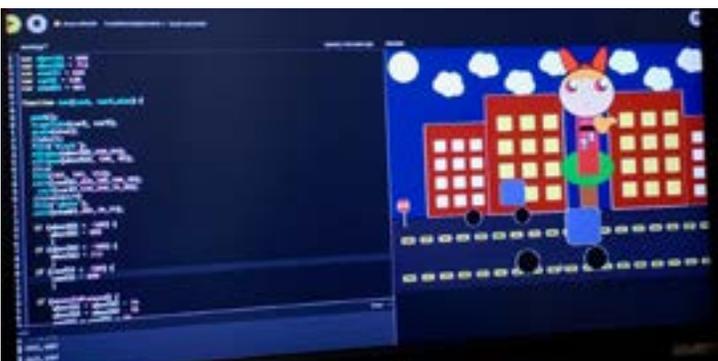
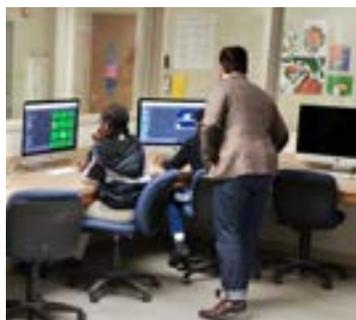
## GOAL

Increase the number of students with digital design & media production skills by providing a pathway of courses to develop a portfolio of work and receive an industry based credential.

## STEM ENDORSEMENT

<https://louisianabelieves.com/courses/louisiana-stem-initiative>

- Silver Endorsement: Take the four required DDEM core courses.
- Gold Endorsement: Take any additional four elective courses listed on the DDEM pathway brief



## WHO DOES THE PATHWAYS?

Students: Any TOPS University or TOPS Tech student

Teachers: Any teacher who is certified by LSU to teach the LSU electives

## WHY DO THE PATHWAYS?

Opportunity to earn graduate credit for course training

---

Teach both STEM and creative art skills

---

Engaging classes with the opportunity for students to earn Industry Based Credentials (select courses only)

---

Opportunity to participate in several grants and earn additional compensation:  
Micro-credentialing  
BR Bytes

# PRE-ENGINEERING PATHWAY TEACHER PAMPHLET

Louisiana State University

LSU

## GOAL

Increase the number of both college bound and career bound students completing a series of courses along a pre-engineering pathway to provide them with a tangible skill set and an industry based credential.

## STEM ENDORSEMENT

<https://louisianabelieves.com/courses/louisiana-stem-initiative>

- Silver Endorsement: Take the four required pre-engineering pathway courses.
- Gold Endorsement: Take any additional four elective courses listed on the pre-engineering pathway brief



## WHO DOES THE PATHWAYS?

Students: Any TOPS University or TOPS Tech student

Teachers: Any teacher who is certified by LSU to teach the LSU electives

## WHY DO THE PATHWAYS?

Opportunity to earn graduate credit for course training

---

Opportunity to participate in several grants and earn additional compensation:  
Micro-credentialing  
BR Bytes

---

Engaging classes with the opportunity for students to earn Industry Based Credentials (select courses only)

---

Become a STEM teacher expert and a leader at your school