BIOMEDICAL SCIENCES PATHWAY FOR TEACHERS
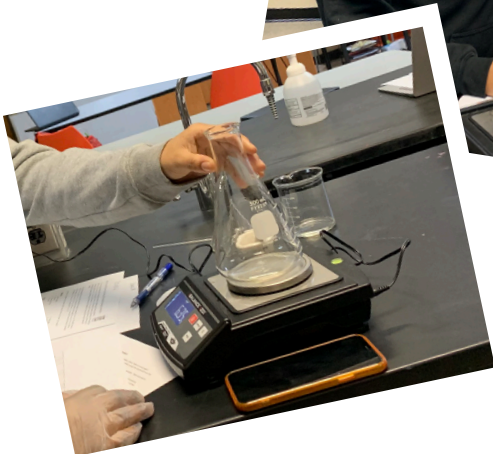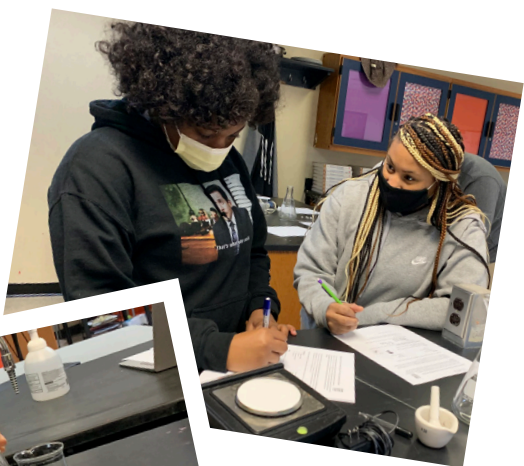
Louisiana State University

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
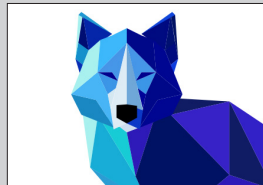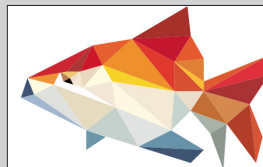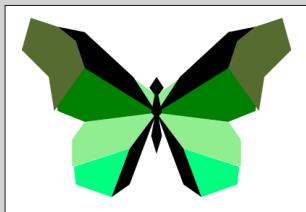
Computing Pathway
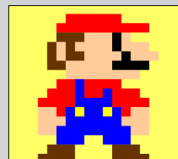
Louisiana State University

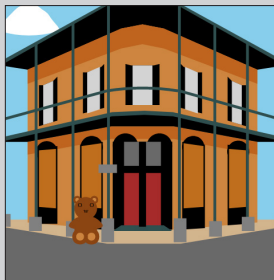## Why Teach Computing?

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

BR BYTES

brbytes.org

DIGITAL DESIGN & EMERGENT MEDIA PATHWAY FOR TEACHERS
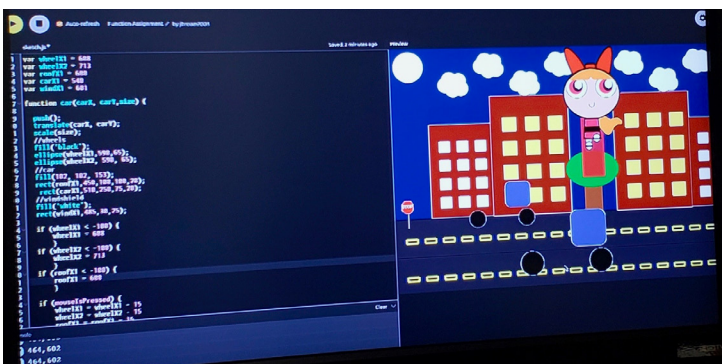
Louisiana State University

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 for students with no high stakes end of course testing like AP exams or LEAP2025!

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

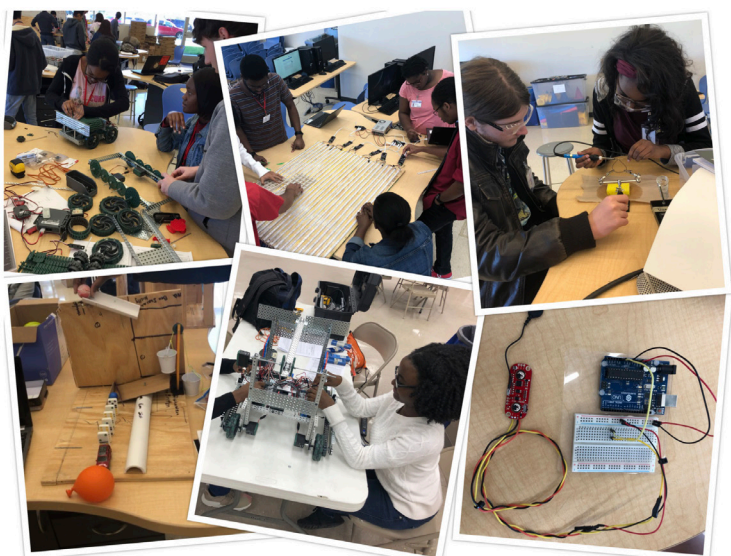# PRE-ENGINEERING PATHWAY TEACHER PAMPHLET

Louisiana State University

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

- Silver Endorsement: Students take the four required pre-engineering pathway courses.
- Gold Endorsement: Students take any additional four elective courses listed here: https://www.louisianabelieves.com/docs/default-source/js-graduation-pathways/stem-pathway-brief---lsu-pre-engineering.pdf?sfvrsn=5e63931f_26

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 no high stakes end of course testing like AP exams or LEAP2025!

Become a STEM teacher expert and a leader at your school