



## Gordon A. Cain Center

### LSU STEM Pathways - Elementary, Middle, and High

The LSU STEM Pathways is a program run exclusively by the Gordon A. Cain Center. It is designed for K-12 students in Louisiana's public, charter, or private school systems to get hands-on experience with STEM.

LSU partners with schools across the state to prepare teachers, students, and administrative staff to deliver more than 30 STEM courses plus STEM modules for middle and elementary.

### SUMMER TRAINING INSTITUTE

June 2 - June 17, 2025

June 18 - July 3, 2025

Training is virtual with synchronous and asynchronous components

A detailed, course-specific schedule will be available no later than March 1.

### Benefits to Schools

- CDF and/or CTE funding for course support available for select high school credit courses
- High school credit in middle school
- SPS points for Industry Based Credentials and Dual Enrollment
- Vertical alignment of STEM curriculum from kindergarten through high school

### Benefits for Students

- High-Quality, Project-Based Standards Aligned Courses and Modules
- Earn LSU Pathway Certificates and Opportunity for Industry Based Credentials
- Dual Enrollment opportunities (High School only)
- Opportunity to apply for Scholarships at LSU

### Benefits for Teachers

- Access to LSU graduate tuition scholarships and support programs
- Opportunity to participate in grant funded STEM education research
- Access to a minimum of six free Community of Practice sessions

[stempathways@lsu.edu](mailto:stempathways@lsu.edu), [www.stempathways.lsu.edu](http://www.stempathways.lsu.edu)

Request more information: [https://lsu.formstack.com/forms/caincenter\\_interest\\_form](https://lsu.formstack.com/forms/caincenter_interest_form)

Course Catalog:

[https://docs.google.com/document/d/1gQH6QP-7Np5DQfmJx0\\_6L894jLEPAUI-mjZBzXfnzlw/edit?usp=s\\_haring](https://docs.google.com/document/d/1gQH6QP-7Np5DQfmJx0_6L894jLEPAUI-mjZBzXfnzlw/edit?usp=s_haring)



## Gordon A. Cain Center

Will you be offering an LSU STEM Pathway course in 2023-24?

**STEP 1:** Review our course offerings in the [LSU STEM Pathways Course Catalog](#) to determine which courses you want to offer at your school in 2023-2024. If you are a **new school**, will be offering a **new course** this year, or have a **new teacher** for an existing offering, please review the training schedule in the following section. All courses *must be* taught by a trained high school teacher which requires that teacher to attend our Virtual Summer Training Institute. Details available March 15th.

**Step 2:** On March 15th, the 2025-26 Memorandum of Understanding (MoU) will be emailed to all interested schools. If you do not currently offer a pathways course and would like to receive this email, please go to our [Interest Page](#) to complete a request for information.

**Step 3:** All new AND returning schools should complete the MoU by the May 15th deadline. For new course offerings, the MOU will also serve as the registration for your teachers for the summer training institute.

**STEP 4:** After LSU receives the MoU, teachers who need to be trained in the Virtual Summer Training Institute will be provided a training confirmation email containing further details.

**For questions about the Summer Training Institute & MoU, please send an email to [stempathways@lsu.edu](mailto:stempathways@lsu.edu).**



## **Gordon A. Cain Center**

### **Cain Center Program Training**

Teachers have the opportunity to participate in a variety of college and career ready STEM professional development (PD) programs offered exclusively through the Gordon A. Cain Center for STEM Literacy. While all opportunities require teachers to attend professional development, each opportunity serves different students and has different benefits, costs, eligibility requirements, and school- and district-level commitment. For a complete detailed listing, please scan the QR code or click on the link above to view our complete Program Guide. See below for an overview of our 2025 Virtual Summer Training Institute option. We invite you to partner with the Gordon A. Cain Center, the exclusive Louisiana training provider for the LSU STEM Pathways, Code.org, and LSU Dual Enrollment.

### **SUMMER TRAINING INSTITUTE 2025**

#### **LSU STEM Pathway Courses and Modules**

June 2 - June 17, 2025

June 18 - July 3, 2025

Virtual training provided for more than 30 high school credit courses plus middle school elective courses and STEM modules for elementary and middle school. Training may be offered during session 1, session 2, or both sessions. Detailed course-specific schedule will be available mid-March. To learn more:

[stempathways@lsu.edu](mailto:stempathways@lsu.edu)

#### **Code.org for Computer Science**

Face-to-Face training provided for Computer Science Discoveries, Computer Science Principles, and Computer Science A. To learn more: [rkendr3@lsu.edu](mailto:rkendr3@lsu.edu)

#### **CASE: Principles of Agricultural Science—Plant (ASP)**

July 21-25, 8 AM-5 PM Synchronous

#### **College Credit Opportunities**

Training Date Varies by Program

Hybrid training provided for Pre-Dual Enrollment, Dual Enrollment (Facilitator Model), and Dual Enrollment (Choice Credit Model). To learn more, email: [caincenter@lsu.edu](mailto:caincenter@lsu.edu)