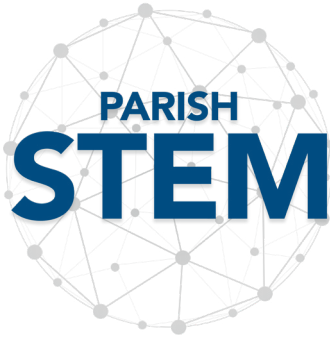


Parish STEM Diploma Endorsement Program



The STEM Diploma Endorsement recognizes students who pursue a rigorous, sustained pathway in science, technology, engineering and mathematics throughout Upper School. Students complete advanced STEM coursework, participate in STEM experiences beyond the classroom, engage in STEM-related service and complete a yearlong senior capstone.

Through the program, students strengthen their ability to investigate meaningful questions, connect ideas across STEM disciplines, use evidence to make decisions, solve complex problems and communicate their work effectively.

Program Objectives:

- **Deep STEM Knowledge:** Build a strong foundation through advanced coursework in science, technology, engineering and mathematics.
- **Inquiry & Problem Solving:** Investigate complex questions, analyze evidence, test ideas and refine approaches.
- **Interdisciplinary Thinking:** Make connections across STEM fields and apply knowledge in new contexts.

- **Collaboration & Communication:** Work effectively with others and clearly communicate technical ideas, processes and findings.
- **Independent STEM Work:** Develop the persistence and independence needed to carry a substantial project from question to conclusion.

Program Requirements:

- Maintain a minimum 3.0 GPA in STEM coursework
- Complete the required coursework outlined on page two.
- Complete at least five hours of STEM-related community service during 10th -12th grade as part of Parish's overall service requirement.
- Participate in STEM Endorsement cohort meetings throughout the program, starting in 10th grade.
- Successfully complete the senior STEM capstone course and public presentation.



STEM Coursework Requirements:

(in addition to Core Graduation Requirements)

- Mathematics: AP Calculus AB or BC
- Science: One AP-Level Science
- Engineering and/or Computer Science (1 credit)
- STEM Research & Design Capstone Honors (1 credit)

Application Process

(Conducted during 9th grade year)

- February - Applications open
- March - Interviews
- April - Decisions announced
- May - Student and parent kickoff session

Capstone Project

The yearlong senior capstone gives STEM Endorsement students the opportunity to pursue an advanced, interdisciplinary project in a STEM area. Students identify a complex question or real-world problem, investigate relevant research and existing approaches, and develop an evidence-based plan for inquiry.

Depending on the project, students may conduct experiments, analyze mathematical or computational models, design and test prototypes, or pursue other forms of applied research.

Throughout the year, students collect and analyze evidence, refine their methods and conclusions, document their work through technical and research writing, and communicate their findings through a formal report and public poster presentation.



For inquiries, please reach out to:

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