IU13 Technology Management Career Pathway Program

About the Program

The IU13 Technology Department offers a Technology Management Career Pathway Program that focuses on giving students the skills they need to enter college or a technical program in the field of Information Technology.

IU13's Technology Management Career Pathway internship program offers students mentorship, online coursework, and hands-on training. Participants can choose from one of three career pathways:

- Application Development
- IT Infrastructure - Windows Server Administration Fundamentals
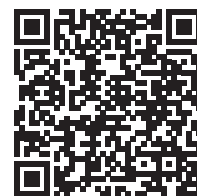- IT Infrastructure – Networking Fundamentals

The online portion of the program will run from January through May using Schoology or an online course provider, leading to an eight-week paid internship opportunity during the summer. Throughout the program, each student will be assigned an intern supervisor who will monitor assignments and progress. The supervisor will also collaborate with a mentor who will coach, train, and offer deeper insights into the technology field.

Available Pathways

- **Application Development** - This entry-level high school course, introduces students to computer programming and web development using C# and Razor Pages. It covers fundamental programming concepts such as variables, data types, control structures, and methods, along with data structures like arrays and lists, and error handling with try-catch blocks. Students will also learn to create and manage Razor Pages in ASP.NET Core and design simple web pages using HTML and CSS. Through project-based learning, students will apply these concepts to real-world projects, developing problem-solving skills and collaborating on programming assignments. The course culminates in a summer internship from June to August, providing hands-on experience in a professional setting. By the end of the course, students will be able to write and debug C# programs and develop dynamic web applications.

- **IT Infrastructure Systems Administration Fundamentals** - In this learning path, we offer curriculum to expose students to basic skills and fundamentals related to managing infrastructure for servers, desktop clients, mobile devices, and cloud services. Fundamental curriculum includes basic networking principles, security practices, operating systems like Windows and Windows Server, as well as cloud platforms such as Microsoft 365. The IT Infrastructure learning path will continue to evolve as we expand the portfolio to include intermediate and more advanced curriculum.

- **IT Infrastructure Network Engineer Fundamentals** - Students in the Networking Fundamentals path will learn: the functions of different network infrastructure devices; basic network addressing, transport, and security protocols; and basic network design and management principles.

Contact:
Tiana Orosco | Project Coordinator, Technology Services
tiana_orosco@iu13.org | 717-947-1719

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Successful Candidates

- Must have interest in the technology field.
- Be able to work independently with remote support from Intern Supervisor and Mentor.
- Effectively communicate through writing.
- Be self-motivated and self-disciplined.
- Be willing to speak up if problems arise.
- Be able to meet deadlines and keep weekly progress appointments.
- Accept critical thinking and decision making as part of the learning process.
- Be willing and able to commit to 4 to 5 hours per week to online coursework.
- Be willing and able to participate 3 days a week from 8 – 4 PM for a summer internship.
- Students will be required to travel to assigned location.
- Be at least 16 years of age by May 31 of current year.
- Pass all clearances, including FBI, background, and child abuse.
- Pass medical physical and TB test.
- Obtain working permit before summer internship

Learn more and apply for the Technology Management Career Pathway Program:
https://www.iu13.org/educators/general-education-k-12/career-readiness/tmcp/

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