

coder _girl

LEARN • NETWORK • CREATE

CoderGirl is a LaunchCode Education Program developed to engage and educate women to work in the technology community in an inclusive, welcoming community environment.

A Rocket Boost for Women In Technology

We believe everyone deserves a chance at a career in tech. Despite volumes of research showing that more diverse teams create better products and gender-diverse companies have better outcomes, women are still a minority in today's technology workforce.

CoderGirl is a LaunchCode education program designed to engage and educate women in technology and get them ready to land their dream jobs in tech. We welcome everyone who identifies as female into our supportive learning community.

Apply for a seat in a 24-week or 45-week specialized track designed to equip CoderGirls with technical skills and job-readiness skills. CoderGirl provides a space for women of all skill levels to network, learn, and create in an open, collaborative learning environment. With professional mentors from companies like Climate Corporation, Asynchrony, and World Wide Technologies, you'll get the training and support you need to launch a successful career in technology!

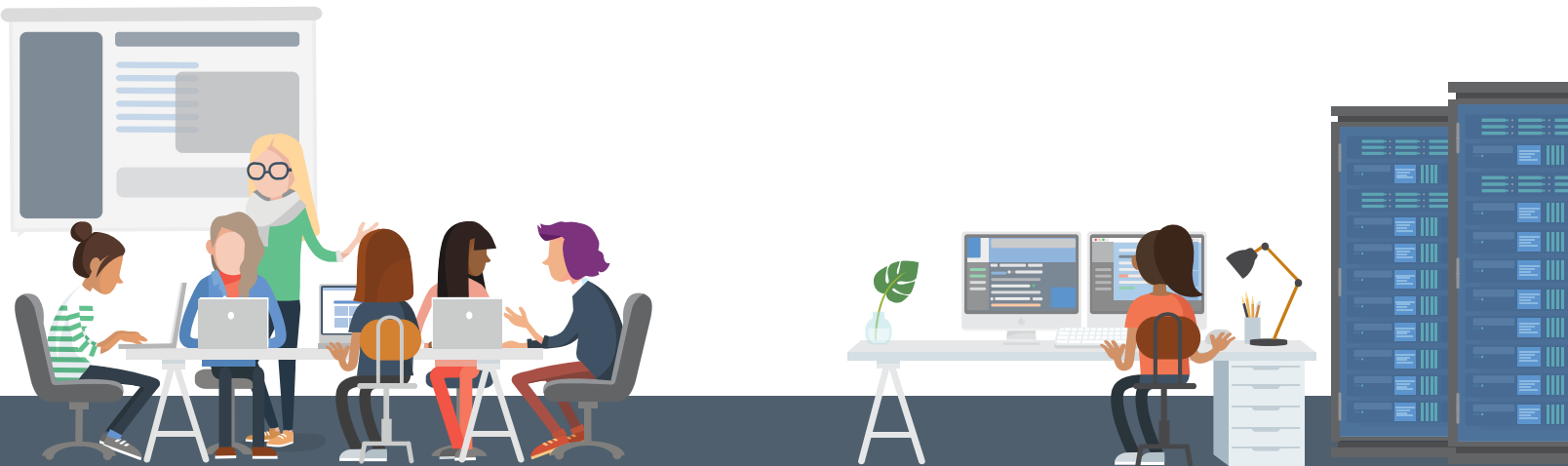
WHAT TO EXPECT

- In-person Mentor support
- An inclusive, collaborative learning environment
- Meet 5:30-8:30 pm each Wednesday
- 10-15 hours of work outside of class each week
- Students must have a laptop with administrator privileges for participation. Windows 10 for PC or OS 10.13.2 or newer for Mac required. (See specific track descriptions for any additional requirements.)

LEARNING TRACKS

- Java (45 weeks)
- C#/.NET* (45 weeks)
- Front-end Web Dev (45 weeks)
- SQL Server* (24 weeks)
- Data Analysis (24 weeks)
- User Experience (UX) (24 weeks)
- Data Science (24 weeks)

*Track has additional system requirements.



45 & 24 Week Learning Tracks

Java

45 Weeks

Java is a general purpose language with a multitude of applications. Java developers work with data management, reporting, business workflows, Android development, and web development. Java Web Development is great for someone that is interested in how data is passed through the web and wants to develop a wide variety of applications. In this course, CoderGirls will spend 19 weeks learning HTML, CSS, and programming fundamentals using JavaScript with a front-end framework, 18 weeks gaining additional training in object-oriented Java web development using the Spring framework, followed by 8 weeks of independent project-building and career readiness skills. Students must have a laptop with administrator privileges for participation. Student laptops must be less than four years old, have a minimum 4GB RAM, have an i5 or i7 processor, and have Windows 10 for PC or OS 10.13.2 or newer for Mac.

C#/.NET

45 Weeks

C# (pronounced C-Sharp) is used primarily on Windows-based machines and has been widely adopted by companies around the world as their software standard. Similar to Java, application developers can use their C# skills to develop for large server-based systems, desktop applications and even mobile apps. C# Web Development is great for someone that is interested in how data is passed through the web and wants to develop a wide variety of applications. In this course, CoderGirls will spend 19 weeks learning HTML, CSS, and programming fundamentals using JavaScript with a front-end framework, 18 weeks gaining additional training in object-oriented C# web development using the .NET framework, followed by 8 weeks of independent project-building and career readiness skills. Students must have a laptop with administrator privileges for participation. Student laptops must be less than four years old, have a minimum 4GB RAM, have an i5 or i7 processor, and be a Windows machine.

Front-End Web Development

45 Weeks

Front-end web development controls how a website looks and feels for the end-user. Front-end web development is great for someone who is interested in how websites work and wants to create professional, clean, and rich experiences for web users. In this course, CoderGirls will spend 19 weeks learning HTML, CSS, and programming fundamentals using JavaScript with a front-end framework, 18 weeks gaining additional training in front-end development and responsive design, followed by 8 weeks of independent project-building and career readiness skills. Students must have a laptop with administrator privileges for participation. Windows 10 for PC or OS 10.13.2 or newer for Mac required.

SQL Server & Databases

24 Weeks

SQL (Structured Query Language) is the most widely used tool for working with databases. SQL is great for someone that is interested in working with databases, including non-programmers looking to improve their business intelligence skills

or programmers looking to build and manipulate databases for their applications. In this course, CoderGirls will spend 24 weeks learning the basics of SQL, advanced queries, stored procedures, and reporting services. Learning will be supplemented with career readiness skills in preparation for the LaunchCode apprenticeship program. Students must have a laptop with administrator privileges for participation. Student laptops must be less than four years old, have a minimum 4GB RAM, be a Windows machine, and 75GB or more of free storage space available.

Data Analysis

24 Weeks

Data analysis is a primary component of data mining and business intelligence, which emphasizes gaining insight to drive business decisions. Data Analysis is great for someone that is interested in researching and communicating insights in engaging ways. In this course, CoderGirls will spend 24 weeks gaining foundational knowledge into what data is, where it comes from, and how it can be used to inform trends and aid in decision-making. CoderGirls will utilize Excel, SQL, Tableau, and various data to source, clean, profile, model, visualize, and report back findings in a manner consumable by stakeholders. Learning will be supplemented with career readiness skills in preparation for the LaunchCode apprenticeship program. Students must have a laptop with administrator privileges for participation. Windows 10 for PC or OS 10.13.2 or newer for Mac required.

User Experience (UX)

24 Weeks

This track does not include coding concepts.

UX is the process of designing (digital or physical) products that are easy to use and delightful to interact with. It's about enhancing the experience that people have while interacting with your product, and making sure they find value in what you're providing. UX is a hot field right now as an enhancing capability to Computer Science, application within Customer Experience (CX) strategies, or a profession of its own. UX is great for someone that has a passion for design, psychology, and experimentation. In this course, CoderGirls will spend 24 weeks gaining the skills needed for UX research and design, assessing user needs, and concept to prototype methods. Learning will be supplemented with career readiness skills in preparation for the LaunchCode apprenticeship program. Students must have a laptop with administrator privileges for participation. Windows 10 for PC or OS 10.13.2 or newer for Mac required.

Data Science

24 Weeks

Data Science can be applied to discovering customer insights, informing digital marketing, scientific fields of research and application of predicting outcomes or optimizing processes. Data Science is great for someone that is interested in computer science, mathematics, and statistics. In this course, CoderGirls will spend 24 weeks gaining a comprehensive overview of data science methods and tools. CoderGirls will learn how to explore, organize, model, and visualize data using languages like SQL, R, and Python. Learning will be supplemented with career readiness skills in preparation for the LaunchCode apprenticeship program. Students must have a laptop with administrator privileges for participation. Windows 10 for PC or OS 10.13.2 or newer for Mac required.