

We  
**build**  
the web.  
So can you.





*“DigitalCrafts has helped change my life transitioning from work as a chef to a Software Developer. The curriculum was challenging and fast-paced, but our instructor did a fantastic job of breaking down the modules.*

*He empowered us to learn and solve problems on our own while also providing a space to collaborate and seek guidance.”*

**Nick K, 2022**



## **Our Story 04**

The DigitalCrafts Difference	06
Changing the Face of Tech	08

## **The Learning Experience 10**

Flex Learning at DigitalCrafts	11
--------------------------------	----

## **Preparing for Bootcamp 12**

Get Ready to Make a Change	12
Recommended First Steps	13

## **Becoming a Student 16**

Admissions Process	16
--------------------	----

## **Scholarships, Grants, & Offers 18**

## **Career Services and Support 20**



## **Artificial Intelligence Fundamentals Certificate 24**

Artificial Intelligence Fundamentals	24
Course Descriptions	25
Tuition Costs	25



## **AI & Machine Learning Engineering Certificate 26**

AI & Machine Learning Engineering	26
Course Descriptions	27
Tuition Costs	27



## **Software Development Certificate: Full Stack 28**

What Is Full-Stack	
Software Development?	28
Industry Trends & Potential Roles	29
What It's Like to Be a	
Software Developer	29
Tuition Costs	29
Course Descriptions	30



## **Cybersecurity Certificate 32**

What Is Cybersecurity?	32
Industry Trends & Potential Roles	33
What It's Like to Work in Cybersecurity	33
Tuition Costs	33
Course Descriptions	34



# Hello

I'm Max McChesney, co-founder of DigitalCrafts, along with my good friend, Jake Hadden. The DigitalCrafts story began in 2014 with me as a prospective bootcamp student.

Several years into my career, I was working an office job that paid the bills but didn't satisfy my curiosity or desire to build something new—a feeling many of our students have echoed in the years since.



When I first heard about bootcamps, I felt healthy skepticism, considering all that was promised. Could a beginner really learn to code in a few months and pursue a potential career path in tech without a degree?

Saving time and money compared to going back to college was appealing, so I went through the admissions process for several schools. What I found was not convincing. In one case, the admissions officer boasted about an instructor's "Silicon Valley" experience, but a quick search revealed they had graduated from the same bootcamp only a few months before. Another school seemed to have more experienced instructors, but the impersonal customer service left a lot to be desired.

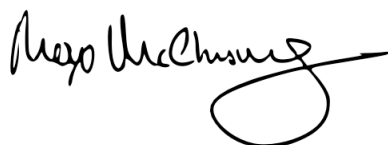
The lack of transparency and personal attention I saw from these schools didn't instill confidence, but it did create a desire to do better. I started thinking more as a competitor than a student, and that's when Jake came on board. Jake had a successful career in consulting but had always wanted to start a business, so we founded DigitalCrafts together in early 2015.

Today, more than 1,200 students have graduated from our programs. They come from many different backgrounds: teachers, Lyft drivers, project managers, Wall Street traders, oil rig technicians—all of whom have learned alongside one another and graduated to launch new career paths in the tech industry.

Since our founding, DigitalCrafts has been included in the Inc. 5000 list three times starting in 2019. Course Report and Career Karma have named us among their lists of best coding bootcamps several years running, and our alumni reviews echo the sentiment. We continue to invest heavily in our people, curricula, and student experience to strive to deliver excellent customer service.

When I was considering enrolling in a bootcamp myself, I assumed that my path was already set, and that it was too late for me to shift careers and do something I enjoy. I could not have been more wrong. So many of our prospective applicants feel the same way, but you *can* change the course you're on if you invest in yourself and put in the work.

I hope our story resonates with whatever journey brought you here. Read on to learn more about how we can help you pursue something you love. You deserve it.



Max McChesney | Co-Founder of DigitalCrafts



# The DigitalCrafts Difference

Since 2015, we've helped over 1200 students gain new skill sets, polish resumes, build robust portfolios and provided the dedicated support needed to pursue a career path in technology in weeks, not years.

## A Curriculum for Today's Employers

At DigitalCrafts, we adapt each program's curriculum to the changing needs of the market. This constant evolution means that you'll study skills that employers value.

Our curriculum is crafted with beginners in mind and combines live instruction with hands-on exercises and projects that effectively cater to all learning styles. While you don't need a tech background or Computer Science degree to attend our bootcamps, we encourage you to prepare for class with one of our free introductory courses. These courses are designed to help you complete your recommended pre-class assignments to ensure you are ready for class from day one. Our programs offer credit-bearing courses that are eligible for transfer to accepting accredited colleges and universities\*.

Make no mistake; our programs will be a challenging educational experience, but nothing worth doing is ever easy.

## Experienced Instruction

You'll study with industry professionals and be supported by staff who genuinely care about your success. Our instructors have years of relevant real-world experience, each providing the unique perspective that can be gained only by time spent in the industry.

## Benefits for Students & Alumni

Students and alumni gain access to our elective workshops, which offer introductions to topics complementary to our programs. With these continuing education opportunities, our students and alumni can deepen their tech knowledge, review networking skills, or hear talks from hiring managers and other industry professionals.

When joining DigitalCrafts, you'll also gain access to our active community of students, alumni, and virtual career fairs to connect you with potential employers.

\*Course credits are not guaranteed to transfer to other schools. Transferability of credits is at the sole discretion of the receiving institution.



### Support for the Job Search

Career search prep begins early in our programs, and our Student Success team strives to provide top-tier support to aid you in your job search. You can graduate with a polished resume, strong portfolio, and an established online presence. You will have the opportunity to mock interview and receive feedback.

You'll have the opportunity to participate in virtual career fairs gaining access to potential employers. Elective Workshops and career talks are held frequently to expand your understanding of the tech career path.



# Changing the Face of Tech

All students who identify as African American, Latin American, and Female are automatically eligible for a partial scholarship with our You Belong in Tech Scholarship.

Tech companies are better with diverse workforces. New and innovative ideas come from different viewpoints, and diverse teams can help build better products.

As an educational institution, we have the privilege and the responsibility to help change the face of tech. Our scholarships and educational alliances are designed to help underrepresented and diverse students access education and pursue a career path in tech-related fields.

## You Belong in Tech Scholarship

In 2020, we dedicated \$1MM to our **You Belong in Tech** scholarship program for underrepresented students in tech, including all females, African American, and other underrepresented, diverse groups with no essay required.

Partial scholarships are automatically awarded when eligible students enroll and cannot be combined with other scholarships but may be paired with other grants and reduced tuition offers.

## City of Refuge Partnership

We have partnered with City of Refuge to offer our bootcamps to those in need. City of Refuge is an organization located in Atlanta's Bankhead community that helps individuals and families transition out of crisis through their Tech Transformation Academy.

Joining WorkSource Atlanta and WorkSource Fulton, along with employers, we provide web development training to students from the Bankhead area to pursue career paths in the tech industry.

## Lesbians Who Tech | Edie Windsor Coding Scholarship Education Partner

Lesbians Who Tech is an organization that works with LGBTQ women, people of color, non-binary, queer, and trans people in the technology field. As an Education Partner, we offer 50% off tuition for a select number of seats in our bootcamps, improving access to education that might otherwise be unobtainable without financial support.





# The Learning Experience

## Online Flexible Bootcamps

Attend a DigitalCrafts bootcamp from virtually anywhere. All courses provide online learning with live instructor guidance and feedback. The curriculum has been designed to effectively challenge beginners and experienced learners alike. Students can expect hands-on exercises, tools, and projects that reflect skills utilized in the workplace today. Our courses are credit-bearing allowing students to earn college credits after successful completion. DigitalCrafts instructors and staff strive to be highly accessible and care deeply about their students.

### Why Should I...

#### Consider a DigitalCrafts Bootcamp for My Tech Education?

- 01 Work to gain skills in weeks not years
- 02 Practice and apply skills in a project-based learning environment
- 03 Study industry-relevant topics
- 04 Earn credits for completed courses that can be transferred to an accepting college or university to further your education\*
- 05 Receive feedback and support from industry professionals
- 06 Benefit from career support services designed to support your job search

## Attend an Online Bootcamp?

Like anything, you get out what you put in. What we offer includes opportunities to:

- 01 Study and stream classes from anywhere
- 02 Study with industry professionals
- 03 Jumpstart a potential new career path in tech
- 04 Learn and apply current best practices and skills in tech
- 05 Receive feedback on your progress and support from your instructor
- 06 Supplement your education with optional workshops and webinars
- 07 Get career support from our career services team

*\*Course credits are not guaranteed to transfer to other schools. Transferability of credits is at the sole discretion of the receiving institution.*

## Flex Learning at DigitalCrafts

Programs Offered: Software Development Certificate, Full Stack & Cybersecurity Certificate, Artificial Intelligence Fundamentals Certificate, and AI & Machine Learning Engineering Certificate

Duration: 15–30 weeks

### What is Flex Instruction?

Flex instruction provides online learning with live instructor guidance and feedback. You will determine your pace of completion by how many courses you enroll in at a time. You will work with your advisor to determine which pace works best for you.



Our programs are interactive online experiences with hands-on project-based learning led by experienced instructors.

## How Can I Be Successful in an Online Bootcamp?

- 01 Review your syllabus carefully for each course
- 02 Make note on a calendar of assignment deadlines
- 03 Schedule reminders to complete large assignments
- 04 Follow a schedule for learning – plan days and times to work on your class
- 05 Treat your study time as a non-breakable appointment with yourself
- 06 Find a quiet place to focus and create a designated space for study
- 07 Contact your instructor if you are confused or need help
- 08 Stay in touch with the student success team about the next steps



# Preparing for Bootcamp

Our curriculum is built with beginners in mind. You don't need a technical background or a computer science degree to enroll in our programs, but you will be challenged by the need to manage your time and dedicate focus to your studies and projects. Here's how to set yourself up for success.

## Get Ready to Make a Change

We often hear prospective students worry that they're too old or too inexperienced, or that it's simply too late for them to switch career paths. Imposter syndrome is real, but it's never too late to pursue a passion. We've seen people from all sorts of differing backgrounds do well in our classes and move on to pursue new career paths in tech.

## What do they have in common?

**They're committed to working hard towards real change in their lives.**

## Consider the following before attending any bootcamp:



Do you have the time to commit to a bootcamp? All bootcamp programs require a commitment to studying on your own time and completing projects and assignments with weekly deadlines.



Do you learn well on your own schedule? Our flex bootcamps will have interactive sessions that require participation and active listening. While taking a bootcamp, you must advocate for yourself and ask questions or reach out to your instructor when needed.



Are you prepared to focus and work hard? DigitalCrafts bootcamps require focus and dedication to studying the skills and practicing the tools presented. Your focus on your program will be critical to your successful completion.



# Recommended First Steps

## Introductory Courses

Take one of our introductory courses to kick off your learning. Each course is designed to introduce you to commonly used tools and systems and provide an overview of the typical roles in each field.

## Get a Head Start

The intro courses also serve as pre-class work before your first day, so you can be a step ahead by completing them early.

## Take a Free Course



### Intro to Software Development

Designed to help you prepare for DigitalCrafts Software Development Certificate Program, this free course allows you to study the basics of full stack web development and work to gain insights into tools and techniques featured in the certificate program. The course is designed to help you:

- Work to develop a balanced and substantial understanding of full-stack web development.
- Understand the complexities of developing cohesive and functional web applications that are user-friendly and data driven.
- Prepare to continue learning and adapting to new advancements and trends in web development technologies and frameworks.




### Intro to Cybersecurity

This introductory course is designed to teach you some of the tools and concepts that are featured in the DigitalCrafts Cybersecurity Certificate program. It also introduces some of the common work roles in the cybersecurity industry. By the end of this introductory course, you can become more comfortable with cybersecurity concepts and techniques. This course is designed to help you:

- Learn how Cybersecurity professionals are defending the world.
- Understand basics of how computers work.
- Install and manage a virtualized operating system.
- Become familiarized with Linux and Windows command-line.
- Learn basics of how web pages work.
- Identify and bookmark interesting cybersecurity resources.








*"I think the great thing about DigitalCrafts and about bootcamps in general is that it gets you job ready as far as getting your portfolio ready, getting your projects ready, making sure you're learning languages that are relevant to what's in the industry right now."*

---

Jake S.  
2022



A photograph of a woman and a man sitting at a wooden table, looking at a laptop. The woman is on the left, smiling broadly. The man is on the right, wearing glasses and a denim jacket, also smiling. A glass of beer is on the table next to the laptop. The background is a textured grey wall.

*“Coming in with no knowledge of software development, I can say that I now feel confident building and learning to build websites in new languages.”*

Ciara C.  
2022





# Becoming a Student

## Admissions Process

### 1. Apply Online << get started

Our online application takes only a few minutes to complete.

### 2. Talk to an Admissions Advisor

This informal call typically takes 20 minutes. Bring all of your questions, and we'll work together to make sure your educational goals align with our program.

### 3. Acceptance

After meeting with our team, your application will be reviewed. You'll receive your results shortly after you complete the admissions process. If you are accepted, we'll email you an acceptance letter with the next steps.

### 4. Enroll and Prepare

Your acceptance letter will include a link to enroll in class, allowing you to select your preferred start date and how you'd like to pay for tuition.

We require a \$99 deposit\* at the time of enrollment, and it is fully refundable should you choose to withdraw before class starts.

*\*A deposit is not required for students enrolling through the City of Refuge Partnership.*

## Payment & Financing Options\*

Bootcamps are a significant investment, but we offer a number of tuition payment options.

### Up-front Payment

Paying your tuition upfront is the most straightforward payment option. Payment may be made online and is due two weeks before the start of class.

### 0% Interest Installment Plan

Break up your tuition into manageable payments for any of our programs. 50% before class begins, with four equal payments throughout remainder of the class.

### Financing

Spread the cost of tuition over several years with low monthly payments and no penalties for early payment through a third-party lender. Lenders offer easy and affordable financing options with interest-only periods available for full-time students. See our tuition & financing page for more information (<https://www.digitalcrafts.com/admissions/tuition-financing>).

*\*We are unable to accept GI Bill® benefits and other VA benefits programs.*







# Scholarships, Grants, & Offers\*



## You Belong in Tech Scholarship

### \$250 scholarship

Automatic scholarship to students from backgrounds that are historically underrepresented in tech (e.g. female, African American, Latin American, and veterans).

## The Builder Scholarship

### \$250 scholarship

Awarded to individuals with especially compelling stories, achievements and goals (essay required).



## Alumni Referral Grant

### \$250 scholarship

Awarded to a student referred to by a DigitalCrafts alumni (referral application required).

*Institutional grants or scholarships are based on established criteria as published in the Institution's Catalog or on its website and are awarded after verification that the conditions of eligibility have been met.*



### Lifelong Learning Grant

DigitalCrafts and AIUS alumni looking to attend a bootcamp in order to reskill their career path may qualify for this grant. Eligible recipients can receive a grant for up to 50% of the published program tuition. This grant cannot be combined with other scholarships or tuition reduction offers.



### Educational Partner Grant

**Amount varies by agency**

Awarded to employees of agencies and members of organizations that are in contractual agreement with DigitalCrafts (application and the appropriate organization name or tuition code required).

### Decision Maker Incentive

\$250 off tuition for students who submit their deposit within 5 days of receiving an acceptance letter.



*\*Scholarships can be combined with other grants and tuition incentives provided these incentives are from different categories. Qualifying students may receive up to 1 scholarship, 1 alumni grant, and 1 tuition incentive. Note: the Educational Partner Grant cannot be combined with any other scholarship, grant, or offer.*

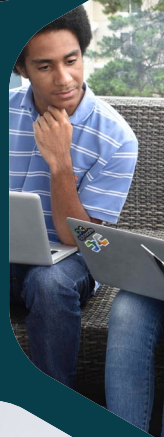
# Career Services & Support

It takes more than technical skills to pursue a job in a new industry, and we do everything we can to help you along the way. We can't nail the interview for you, but our Student Success Team will provide you with guidance, including the opportunity for mock interview practice, resume reviews, and online presence training. Our team is consistently searching and sharing relevant job postings and students are given the opportunity to participate in virtual career fairs with potential employers.

Success in the job market will require you to put in significant effort and persistence, so come prepared to work in class *and* after. **You can do it.**

## Showcase Your Skills to Employers

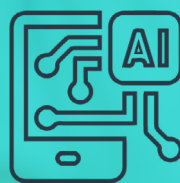
Skills studied throughout bootcamp can be demonstrated to employers. Our programs are designed to help you study industry-relevant skills and tools and participate in hands-on projects. We'll work with you to build a strong online brand and portfolio of work to aid you in your job search and interviews.







# Our Certificates









# Artificial Intelligence Fundamentals Certificate

This program is designed to provide insights into Artificial Intelligence (AI) and Machine Learning (ML) technologies, tools, and techniques. These insights can empower individuals and organizations to leverage AI and ML tools and technologies to strengthen implementations of data science and technological innovation. The program covers concepts of artificial intelligence, machine learning, AI in business, data science, AI in the cloud, modern applications of AI, and the future of AI. By the end of this program, students should have a broad understanding of AI and ML learning and how they impact people and organizations.

## Artificial Intelligence Fundamentals Certificate Program

This program consists of six 4.5 quarter credit courses, for a total of 27 quarter credit hours. Each course is 5-weeks in length and can be taken independently or with a second course in the program.





# Course Descriptions

## Artificial Intelligence and Machine Learning Basics

This course offers a foundational understanding of AI, covering key concepts, algorithms, and real-world applications. Special emphasis is placed on effective communication for explaining AI concepts to non-technical stakeholders.

## Generative AI Prompt Engineering

This course is designed to provide students with knowledge of the intricacies of crafting and refining prompts to achieve highly specific and reliable results, underpinning the human-AI interaction. By the end of this course, students should be able to optimize their interactions with Generative AI systems while being cognizant of their implications.

## Artificial Intelligence in Business and Data Science

This course is designed to provide students with a comprehensive exploration into the integration of AI within the business landscape and its synergy with Data Science. Topics include the significance of AI to business, leveraging AI to support business operations, coupling AI and ML with Data Science, and using AI for customer insights.

## Artificial Intelligence in the Cloud

This course is designed to provide insights into AI system reliance on cloud computing. Content areas include cloud basics, cloud service provider comparison in the context of AI, deployment models, cloud security for AI, and related cost management. Emphasis is placed on clear communication when discussing these AI-driven concepts with non-technical stakeholders.

## Modern Applications of Artificial Intelligence

Artificial Intelligence (AI) is both a tool and a transformative technology that is used increasingly in various sectors: from healthcare to entertainment. This course offers an in depth exploration into the nuanced applications and implications of AI in diverse domains, dissecting both its transformative potential and the challenges it presents. By the end of this course, students should have a comprehensive understanding of AI's modern applications, real-world applications, ethical dilemmas, and future possibilities.

## The Future of Artificial Intelligence

This course explores the future possibilities and emerging trends in the field of Artificial Intelligence (AI). It is designed to provide insights into the direction AI is heading, including breakthroughs, challenges, and ethical considerations.



**Flex**

Duration	15–30 weeks
Base tuition	\$13,500
Scholarships*	\$250 towards tuition
Refundable deposit	\$99

*\*Institutional grants or scholarships are based on established criteria as published in the Institution's Catalog or on its website and are awarded after verification that the conditions of eligibility have been met.*



# AI & Machine Learning Engineering Certificate

This program is designed to help students with basic to intermediate software development skills learn how to design and develop artificial intelligence (AI) systems. Architectural frameworks, development tools, modern programming languages, and best practices are explored. This hands-on program gives students opportunities to put theory into practice. By the end of this program students should be able to architect an AI system and implement AI functionality through programming and service connections.

## AI & Machine Learning Engineering Certificate

This program consists of six 4.5 quarter credit courses, for a total of 27 quarter credit hours. Each course is 5-weeks in length and can be taken independently or with a second course in the program.



# Course Descriptions

## Introduction to Python Programming

This course is designed to provide students with a comprehensive introduction to Python, setting the foundation for writing programs for Artificial Intelligence and Machine Learning. Topics covered include data structures, functions, file handling, object-oriented-programming, classes, and AI-related Python libraries and frameworks.

## Artificial Intelligence, Machine Learning, and Data Science Programming with Python

This course focuses on widely-used programming languages for AI, ML, and Data Science development. Topics include programming syntax, data structures, and libraries essential for AI programming. The course provides students with hands-on opportunities to put theory into practice.

## Deep Learning

This course delves into deep learning, with a focus on neural networks to include Convolutional Neural Networks and Recurrent Neural Networks. Additional topics include backpropagation, activation functions, and deep learning frameworks. The course also covers the concepts of transfer learning and model fine-tuning.

## Natural Language Processing and Computer Vision

Natural Language Processing (NLP) is essential for AI applications involving text and language; and computer vision is crucial for AI applications involving images and videos. Both NLP and computer vision are covered in this course with topics such as language processing models,

preprocessing, sentiment analysis, and named entity recognition, text generation, chatbot development, image processing, object detection, and image classification.

## Reinforcement Learning

Reinforcement learning focuses on teaching machines to make decisions through trial and error. This course covers reinforcement learning algorithms and applications. It also features the Markov Decision Process (MDP), Q-Learning, Policy Gradients, and training AI agents.

## Architecting AI Systems: Design Strategies and Best Practices

This course is designed to provide students with knowledge of how AI systems are architected, deployed, and supported. Specific design strategies and best practices are covered through the use of real-world case studies. Real-world scenarios are used to gain insights into architecting and deploying AI systems. Topics include deployment strategies, scalability, monitoring, maintaining, and ethical considerations.



Flex

Duration	15–30 weeks
Base tuition	\$13,500
Scholarships*	\$250 towards tuition
Refundable deposit	\$99

*\*Institutional grants or scholarships are based on established criteria as published in the Institution's Catalog or on its website and are awarded after verification that the conditions of eligibility have been met.*



# Software Development Certificate: Full Stack

Our software development certificate is designed to help you prepare to become a full-stack developer capable of both front-end and back-end development. Full-stack developers are the driving force behind websites, web apps, and databases. Each course in the program allows the student to earn up to 4.5 quarter credit hours.



## What Is Full-Stack Software development?

In our bootcamp, we teach full-stack development, covering both front-end and back-end development.

### Front-End Development

Front-end development involves building the user interface of a website or application. It's everything you see and interact with in a browser or app: the buttons, images, menus, content, and animations that help bring web applications to life.

How does this differ from UI and UX Design? A designer creates a polished user interface (UI) design, factoring in user stories and user experience (UX). When the designer is finished, they hand off to the front-end developer for implementation. The developer adds interactivity and functionality, bringing function to the design through code.

### Back-End Development

A back-end developer works with everything behind the scenes that passes information back to the user. Back-end development leverages the power of databases to create, retrieve, update, and delete data. A website would be "static" or simply informational if not for this crucial layer of functionality. If you've booked a flight or reserved a vacation home, the up-to-date information that you saw was powered by the back-end.

### Why Study Both?

A full-stack developer has a diverse skill set and may be better able to tackle new technologies in a constantly evolving industry. Additionally, many of our students don't truly discover their passion or preference until well into class, be it front-end, back-end, or both. You might be surprised by how your interests change.



## Job Market & Potential Roles

# ^16%

Employment of Web developers and digital designers is projected to grow 16% from 2022 to 2032, faster than the average for all occupations<sup>1</sup>.


Potential job titles in this field may include: Software developer, Web Developer, Web and Digital Interface Designers, Technology Applications Engineer, Web Architect, Web Design Specialist, Web Designer<sup>2</sup>.

## What It's Like to Be a Software developer

While it varies widely by employer, junior developers are often responsible for bug fixes, testing and pairing with more experienced developers. As you continue to learn, you may work with internal stakeholders like the marketing team on an internal project or discuss user flows with a design team.

<sup>1</sup>Source: Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, Web Developers and Digital Designers, at <https://www.bls.gov/ooh/computer-and-information-technology/web-developers.htm> (visited October 17, 2023). This data represents national figures and is not based on school-specific information. Conditions in your area may vary.

<sup>2</sup>DigitalCrafts cannot guarantee employment, salary, or career advancement. The list of career paths related to this program is based on a subset from the Bureau of Labor Statistics CIP to SOC Crosswalk. Some career paths listed here may require further education or job experience.

	 <b>Flex</b>
Duration	15–30 weeks
Base tuition	\$13,500
Scholarships*	\$250 towards tuition
Refundable deposit	\$99

*\*Institutional grants or scholarships are based on established criteria as published in the Institution's Catalog or on its website and are awarded after verification that the conditions of eligibility have been met.*



# Software Development Course Descriptions\*

## Full Stack

---

### Introduction to Full Stack Software Development

You will be introduced to full stack software development fundamentals. The course covers an overview of full-stack development and related technology tools. Additional topics include requirements analysis, the software development life cycle, and source code repositories and versioning.

---

### Web Page Design and Layout

You will focus on front-end design considerations. Topics you will explore include design concepts, best practices, and tools used to design and develop web pages. Hands-on opportunities include creating web page navigation, interface items, and forms. Source code control is also emphasized.

---

### Introduction to JavaScript

You will explore the basics of JavaScript and its importance to the full-stack development suite. Focus areas include syntax, variables, program flow, conditionals, data types, and additional programming constructs. Additionally, the use of JavaScript with HTML and modifying CSS with JavaScript is addressed. You will have the opportunity to gain hands-on experience coding with JavaScript.

---

### Creating Interactive Content with JavaScript

You will focus on creating interactive web page content using JavaScript. Content covered includes JavaScript Object Notation (JSON), browser differences, regular expressions, classes, functions, and input validation. You will have the opportunity to work with third-party application programming interfaces (APIs). Hands-on labs are used to practice implementing interactive content using JavaScript. Source code control is also emphasized.

---

### Databases and Data-Driven Content

You will study relational databases and the structured query language (SQL). Topics include non-relational databases as a method of deploying databases to support dynamic websites. Additional topics include ad-hoc queries, indexing, and replication. You will explore course concepts in hands-on labs.

---

### Full Stack Solutions

You will focus on a full stack that consists of MongoDB, Express.js, React.js, and Node.js (MERN) to develop a complete, full-stack, solution consisting of connected front and back ends. You will have the opportunity to gain experience with the MERN full stack via hands-on labs. You will be expected to develop a full-stack solution to a common business requirement.

\*DigitalCrafts may alter the curriculum before, during, and/or after the program. See the Institutional Catalog for more information.







# Cybersecurity Certificate

Cybersecurity is a fast-growing field in the technology industry, and the demand for qualified candidates continues to increase as the cybersecurity workforce gap has grown more than twice as much as the workforce<sup>1</sup>.

In this program, you will study industry-relevant tools and hands-on strategies, designed to teach you the tools utilized in the field. DigitalCrafts is a CompTIA Authorized Partner. This program is designed to help you prepare for several CompTIA exams. One voucher for the CompTIA exam of your choice will be provided for students who successfully complete the program. Each course in the program allows the student to earn up to 4.5 quarter credit hours.

## What Is Cybersecurity?

Cybersecurity is the practice of defending computers, servers, mobile devices, electronic systems, networks, and data from malicious attacks.

Chances are, you've heard of a security breach in the news recently. In the past few years, companies have faced security breaches that exposed the user names, passwords, and credit card numbers of their users.

And while the number of security breaches is rapidly increasing so are the associated costs. Cyber crime incidents come with a high price tag to companies—a price tag that many companies can't afford.

That means companies must stay on top of security vulnerabilities, and they need to hire trained security professionals at an ever-increasing rate<sup>1</sup>.

<sup>1</sup>(ISC)<sup>2</sup>Cybersecurity Workforce Study 2022: [https://www.isc2.org/-/media/Project/ISC2/Main/Media/documents/research/ISC2\\_Cybersecurity\\_Workforce\\_Study.pdf?rev=ae39d66a4616478792d38da57fb80564&hash=31B8381DC81AD70B9B6DA6FF84534B33#:~:text=\(ISC\)2%20estimates%20the%20global,A%20and%201%2DB\)](https://www.isc2.org/-/media/Project/ISC2/Main/Media/documents/research/ISC2_Cybersecurity_Workforce_Study.pdf?rev=ae39d66a4616478792d38da57fb80564&hash=31B8381DC81AD70B9B6DA6FF84534B33#:~:text=(ISC)2%20estimates%20the%20global,A%20and%201%2DB).). This data represents national figures and is not based on school specific information. Conditions in your area may vary.



## Job Market & Potential Roles

# ^ 32%

Employment of Information Security Analysts is projected to grow 32% from 2022 to 2032<sup>1</sup>.

Potential entry-level roles in cybersecurity might include Cybersecurity Specialist, Cyber Crime Analyst, Incident & Intrusion Analyst, and Cybersecurity Analyst<sup>2</sup>.

<sup>1</sup>Source: U.S. Bureau of Labor Statistics, *Occupational Outlook Handbook for Information Security Analysts* (found at <https://www.bls.gov/ooh/computer-and-information-technology/information-security-analysts.htm>, visited Dec 14, 2022). This data represents national figures and is not based on school-specific information. Conditions in your area may vary.


<sup>2</sup>DigitalCrafts cannot guarantee employment, salary, or career advancement. The list of career paths related to this program is based on a subset from CyberSeek data at: <https://www.cyberseek.org/heatmap.html> September 2022 – August 2022 (visited 10/2023). Some career paths listed above may require further education or job experience.

## What It's Like to Work In Cybersecurity

In the cybersecurity field, work may vary greatly, depending on the role. For example, a Cybersecurity Analyst may expect to work in shifts while monitoring networks for any malicious activity. Any time an alert is triggered, it is their responsibility to determine the authenticity and severity of the issue and bring it to the attention of the appropriate stakeholders and security teams.

Other responsibilities of someone working in cybersecurity might include configuring firewalls or designing secure network configurations. They might run scans on networks and look for unpatched vulnerabilities in software code or systems.

There are many other job roles and responsibilities that a cybersecurity professional might fill, but the key thing that they all have in common is the tremendous impact on the organizations they serve.

	 Flex
Duration .....	15–30 weeks .....
Base tuition .....	\$13,500 .....
Scholarships* .....	\$250 towards tuition .....
Refundable deposit .....	\$99 .....

*\*Institutional grants or scholarships are based on established criteria as published in the Institution's Catalog or on its website and are awarded after verification that the conditions of eligibility have been met.*

# Cybersecurity Course Descriptions\*

---

## IT Fundamentals for Cybersecurity

You will be introduced to information technology fundamentals as they apply to cybersecurity. Topics include computer hardware, software, configuration, and management of IT systems. The central focus of the course is the security of information technology components, systems, and communications.

---

## Ethical Hacking and Penetration Testing

You will study ethical hacking concepts, methods, and best practices. You will gain hands-on experience with ethical hacking and penetration testing tools. Topics include concepts and tools for attacks, exploits, information gathering, and reporting.

---

## Networking Fundamentals

You will study computer network hardware, software, connectivity methods, and protocols. Topics include security vulnerabilities and countermeasures. You will explore how to analyze networking solutions and design secure networked systems.

---

## Network Defense & Countermeasures

You will explore network defense topics including intrusion detection, network security, security incident management, and tactics and tools used in network defense. Hands-on labs are used to practice implementing network defense strategies and intrusion-detection strategies.

---

## Cybersecurity Fundamentals


You will be introduced to the foundational knowledge that aligns with the NIST (NIST) National Initiative for Cybersecurity Education (NICE) Cybersecurity Workforce Framework. Topics covered include cybersecurity careers, fundamentals of cybersecurity, and professional ethics with respect to the cybersecurity discipline. Additional focus is placed on network and system architecture and design principles.

---

## Cybersecurity Operations

You will be introduced to incident response methodologies and proper methods of handling digital forensic evidence. You will explore national and international legal aspects of digital forensics. Topics include digital forensic acquisition, preservation, analysis, and reporting.





*"I was really surprised with the career services team. They're really helpful with getting a resume and LinkedIn ready. It's like having someone you can ask for career advice at your fingertips."*

Elizabeth K.  
2022







get started >> **Apply Today**

**Schedule a Call  
with Admissions**

**Try a Free Intro Course**

**digitalcrafts.com**