



**LOYOLA UNIVERSITY  
NEW ORLEANS**

**CERTIFICATE IN SOFTWARE  
DEVELOPMENT & CODING**

**10-WEEK IMMERSIVE PROGRAM  
JUNE 4 – AUGUST 10, 2018**

Local tech companies struggle to find qualified entry-level talent in Louisiana, while local talent needs jobs.

Currently, there are an estimated **3,000 unfilled tech jobs** in the state.

The **Loyola Certificate in Software Development & Coding** bridges the “gap to workforce” for recent graduates by teaching them in-demand coding skills and connecting them to entry-level tech jobs.

# PROGRAM OVERVIEW

Coding isn't just for computer science majors, programmers, or people who want to work for an IT company. Instead, coding is a creative skill that many companies need for their client teams, product management, marketing, and more.

The **Loyola Certificate in Software Development & Coding** program teaches recent liberal arts graduates with non-technical majors how to build websites and web-based applications using JavaScript-based tools. The program then gives you an official certificate in coding on your transcript and a foot in the door to local tech employers. No previous coding experience is required.

#### The Certificate program provides:

- 10 weeks of coding fundamentals
- In-person instruction from IT professionals
- Weekly guest speakers and site visits to local tech companies
- Mock job interview training
- An official transcript with a certificate of completion upon successful graduation

#### PROGRAM PARTNERS:

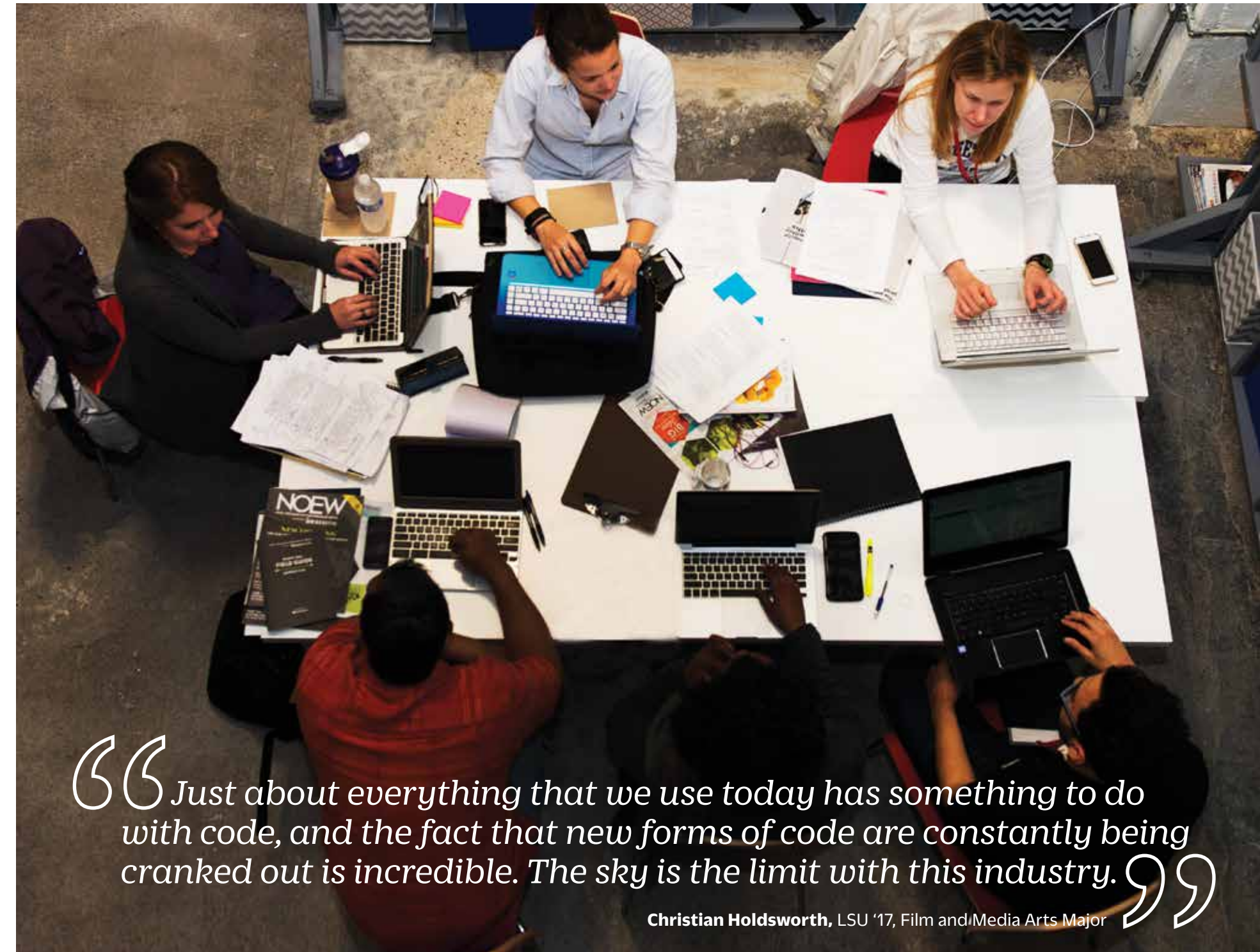


# WHAT YOU WILL LEARN

The **Certificate in Software Development & Coding** program is designed to develop student skills in the following core areas:

- Build and design responsive webpages with HTML and CSS
- Design faster webpages using front-end frameworks like Bootstrap
- Create web application frameworks with JavaScript
- Prototype database-driven apps
- Deploy custom-built applications to the web using cloud-based hosting
- Integrate third-party APIs into an application and pull in data from sources like Google Maps, Stripe, and Facebook
- Apply the crucial skill of domain modeling resources and relationships in database-backed applications
- Develop a professional portfolio of projects on GitHub

Curriculum is subject to modification.



“Just about everything that we use today has something to do with code, and the fact that new forms of code are constantly being cranked out is incredible. The sky is the limit with this industry.”

**Christian Holdsworth**, LSU '17, Film and Media Arts Major



## GRADUATING SENIORS & RECENT ALUMNI

**Is this you?** You either have recently graduated or will graduate in May 2018 with a liberal arts degree. You love what you studied, but you're also thinking about the future, and you're worried about getting a job or finding the right career path that lets you apply your passion and solve problems creatively. You're not sure what your next steps are, and in fact, you don't even know exactly what you want to do.

### **Code Your Own Career**

The Loyola Certificate in Software Development and Coding lets you apply the critical thinking skills from your liberal arts education, work in an environment that is fast-paced and creative, and build your career path. This program also connects you to local employers, so you can stay in New Orleans after you graduate. Previous students in the program have majored in Creative Writing, Music, Economics, Film, Psychology, and more.

By learning code, you learn how to build creative solutions for a company, a client, and/or end users in many different industries, and entry-level positions at these companies are relatively well-paying. Most tech companies have many different roles that need both liberal arts and tech skills, so there is a lot of freedom to find a role you love.

A line of code can do amazing things – it can protect people, connect them, inspire them, and send them into space. This is your chance to have a global impact by staying local.

## POTENTIAL SOFTWARE JOBS

**Software runs almost everything:** from your car to Snapchat to elevators to the space shuttle. The role of software is rapidly increasing across all industries, and there are an estimated 3,000 unfilled tech positions in Louisiana. Tech companies exist in many different fields, where you can apply that passion you had when studying your major while also earning a competitive salary. The national average salary for an entry-level software development job is \$55,000.

### **More Than Just Programming**

Learning to code doesn't mean you can only be a programmer. Companies also need product designers, consultants, client-facing project managers, analysts, product sales teams, and other roles where you can use your creativity, your liberal arts skills, and the technical background you'll earn along with your Certificate in Software Development and Coding.

The skills taught in this program have been used to create companies like Google, Uber, Netflix, PayPal, eBay, Yahoo, Groupon, and more. These are also skills that tech companies in Southeast Louisiana are looking for in their candidates. Bottom line: Learn coding, get connected to local employers, and find your career path in a job you love.



# APPLY NOW

The **Loyola Certificate in Software Coding** program is open to all graduating seniors and recent alumni from any university in Louisiana.

Applications for the program are currently being accepted. Priority consideration will be given to applications received before **December 15, 2017**. The first 5 students to submit an application and a deposit will receive a \$500 tuition discount.

The application process includes completing an application of interest, followed by a series of pre-class exercises and a program orientation session.

To set up an appointment to answer any questions, please contact:

**Kate McCrery**

Program Manager of the Loyola Center for Entrepreneurship and Community Development  
kymccrer@loyno.edu  
(504) 864-7926

## Sample Daily Schedule

9:30 AM – 10:30 AM	Lecture Session 1
10:30 AM – 10:45 AM	Break
10:45 AM – 12:00 PM	Lecture Session 2
12:00 PM – 1:00 PM	Lunch Break
1:00 PM – 2:30 PM	Workshop and Office Hours

## Sample Core Curriculum

- Front-end Web development HTML and CSS
- Twitter Bootstrap
- Front-end frameworks JavaScript
- Git and GitHub
- Ajax
- ES6, DOM API, and jQuery Node
- NoSQL and SQL
- Angular
- APIs
- Testing and Development

*Curriculum is subject to modification.*

# FAQ

## How is this program different from a free online course in coding?

We offer you what no online course can give you: in-person instruction from local technology professionals who are leaders in their field. This is a chance to apply your liberal arts degree, get an entry-level job with a lot of room for growth and creativity, and develop your professional network in New Orleans.

## How much does this program cost?

\$7,999 for 10 weeks. (Similar programs nationally cost between \$9,000 and \$15,000.) The first 10 students to complete an application and submit a deposit will receive a \$500 tuition discount.

## Do I need previous experience in coding?

No previous experience is required. After completing your liberal arts degree, you should already have what you need to apply to the program: critical thinking and analytical skills from your core education, intellectual curiosity, and a desire to solve problems creatively.

You will need a laptop for which you have the administrator password. Other than that, we ask only that you fully commit to being immersed in the program for the 10 weeks, be proactive in classroom engagement with your fellow software developers and instructors, and make the most of every opportunity you see.

For more information, visit our website:

[bit.ly/loyolacode](http://bit.ly/loyolacode)



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