

Smart Launch Tech Program Overview

Indiana's 31 private colleges and Eleven Fifty Academy are joining forces to prepare ICI liberal arts majors to enter high-tech careers after graduation, producing talent for the state's rapidly growing tech sector. Smart Launch Tech is competency-based and immersive for rising college juniors and seniors.



Below shows the anticipated program schedule:

Smart Launch Tech	
Week 1 Fundamentals 101 DISC Workshop	Week 2 JavaScript 151 Agile Design
Week 3 JavaScript Lab 152 Security UX/UI	Week 4 Contracts & I.P. Testing & QA Project Presentations

Throughout the program, Eleven Fifty Academy, with the help of the industry, will deliver relevant curriculum to identify and enable the student with the skills and knowledge needed to understand the world of tech:

- **Learn Technical Skills** – With classes taught by “real world” experienced developers as instructors, students learn to apply programming principals in a practical way to build websites and applications as a class, in teams, and individually. Each student will complete and present a project to demonstrate what they are able to do with the code.
- **Industry Validated Curriculum** – The curriculum and badge standards are regularly reviewed and validated by industry employers. This means that the curriculum is relevant and meaningful to the tech field – no fluff content.
- **Industry Guest Speakers & Field Trips** – To help understand how tech plays a role in the workforce today, industry guest speakers will share their experiences and expertise. There are also field trips planned where students can interact and experience first-hand the world of tech.
- **@Work Workshops** – Based on recommendations from business partners, we have included core technical concepts, like Agile, Design, Security, and Contracts & Intellectual Property, into the program to give students exposure to these critical areas.
- **Build an ePortfolio** – During the program, the students will be build a capstone project that is designed to become a student's ePortfolio. Students can continuously build upon the ePortfolio after the class to showcase their experiences and expertise. What a great impress potential employers!

Eleven Fifty Academy Gold Badge (Delivered by ICI)

Below are the standards to successfully earn the program's Gold Badge:

- ☐ Use an Integrated Development Environment (IDE) to create basic html pages
- ☐ Include html tags for creating dynamic structures for html pages
- ☐ Integrate Cascading Style Sheets (CSS) for enhancing a site's styling
- ☐ Synthesize JavaScript, HTML, and CSS into an html page
- ☐ Practice using Agile methodology, like stand-ups and iterative design cycles
- ☐ Apply core design concepts to improve the aesthetics of web application
- ☐ Define basic concepts of Object Oriented Programming (OOP)
- ☐ Incorporate basic JavaScript types, including Strings, Integers, Booleans, Chars, and Doubles
- ☐ Develop and implement conditional statements using Boolean logic in a web application
- ☐ Write basic JavaScript for-loops and basic JavaScript functions
- ☐ Create a starter portfolio for professional purposes
- ☐ Describe the need for using source control in software development
- ☐ Perform routine software backups using git with both GUI tools and the terminal
- ☐ Debug errors in code through referencing online help sites such as Stack Overflow
- ☐ Identify online resources for continuous learning and improving skills

In addition to covering these standards, the class will include:

- ☐ Explain how security has a significant impact on the field of technology
- ☐ Investigate different tools and resources to capture the User Experience (UX) to determine the direction of a web application
- ☐ Discuss types and standards of testing to validate a web application
- ☐ Know the intellectual property rights of an employer and employee
- ☐ Explore how liberal art skills can have an impact and participate in the field of tech and its ecosystem

