## Advanced Certifications
### — Year Two & Above —

**Advanced HTML5 and CSS3 Specialist** teaches deeper knowledge of HTML5 and CSS3 coding, and thus assumes a certain amount of existing knowledge (such as basic coding skills).

**JavaScript Specialist**[4] teaches developers how to use the features of the JS language to design client-side, platform-independent solutions. This web language coding skill can help you grow a career in advanced Web development.

**Web Design Specialist**[4] is for the individual who wants to develop the skills necessary to specialize in Web site design. Students build upon basic Web authoring skills to learn the essentials and best practices of Web design, including design theory, tools and technologies.

**User Interface Designer** introduces strategies and tactics necessary to design user interfaces, with particular emphasis on creating for mobile devices. Focusing on knowledge of specific development techniques and strategies, students will have a deep knowledge of user interface design.

**E-Commerce Specialist**[4] hones your web authoring skills while making you an increasingly valuable member of a Web or marketing team. E-Commerce Strategies and Practices is for the individual that possesses a working knowledge of e-commerce standards and is looking to become proficient in e-commerce development.

[4] *Florida DOE Articulation – 3 college credit earning course*

## About Mr. Fowler

Currently, I am a Business Education Teacher for grades 9-12 at Hudson High School, as well as being a Certified Instructor for CIW Certification Partners. I have worked for the Pasco County School System for 18 years in both the High and Middle School levels, as well as having the privilege of serving as an Instructional Technology Specialist during 7 of those years. As a CIW Instructor, I have had the pleasure to help train and certify other teachers in both Louisiana and Massachusetts. I currently hold the following Industry Certifications: CIW – IBA, NTA, SDA, WFA, and CI; ADOBE ACA CC Ps, Ai, Id, and VDS. For more information on my program, please visit: http://certificationprep.org.

## About Pasco County Schools

Founded in 1887, Pasco Schools consists of 84 schools, has approx. 9K employees, and is home to more than 65K students. For more information, please visit: http://pascoschools.org.

## About Certification Partners

The world's premier vendor-neutral IT and Web technology education and certification program. CIW has trained more than 1 million students and professionals; awarding more than 160K professional certifications through universities, colleges, high/middle schools, and corporations worldwide. For more information, please visit: http://ciwcertified.com.

# Business Education
### *a Career & Technical Department*

**HTTP://CERTIFICATIONPREP.ORG**
*Please visit for more information*

## Hudson High School
14410 Cobra Way, Hudson, Florida 34669
(727) 774 – 4200 | Fax: (727) 774 – 4291
http://hhs.pasco.k12.fl.us

Program Instructor: **Mr. Lewis Fowler**
Principal: **Dr. David LaRoche**

# Intro to Info Technology
## — Year One —



As technology continues to impact business and industry, today's employee, whether managerial or support staff, needs extensive knowledge of software applications and database management. Proficiency in keyboarding, spelling, punctuation, grammar, and oral communication is expected across all economic sectors. Increasing office automation and organizational restructuring will continue to require that men and women alike be more productive and skilled in coming years. Business Technology Education provides the knowledge and skills in demand today.

Hudson High students enrolled into Introduction to Information Technology[1] will be working towards industry certifications in Network Technology Associate; as well as Internet Business Associate. Each will prepare students to work effectively in today's business environment, as well as learning about the tasks involved in various Information Technology (IT) job roles, and they will learn the foundational skills and technologies used in business. Once certified, students will have proven that they have foundational knowledge of important technologies that affect virtually every business.

### Internet Business Associate (IBA)[2]

IBA is the first Industry Certification offered in a three-part series called Web Foundations Associate by CIW Certification Partners.



IBA teaches students to work effectively in today's business environment. Furthermore, IBA prepares students to get involved with and understanding Web Technology job roles, as well as the skills and technologies to perform them. The career opportunities that demand these common Web-based skills are endless and are ideal for all students and professionals who use the Internet on the job.

Lesson topics include: Intro to IT Business & Careers, Databases & Web Search Engines, Internet Communication, Email/Personal Information Management, Intro to Internet Technology, Protecting Yourself Online, Web Browsing, Internet Services & Tools for Business, Multimedia on the Web, and IT Project & Program Management.

### Network Technology Associate (NTA)

NTA is the second Industry Certifications in the Web Foundations Associate Program.



NTA teaches students in understanding the fundamentals of networking, Internet protocols and why network security is important for professionals who use computer networks. Furthermore, NTA prepares students for jobs in many business and technology-related careers that utilize and distribute services to the general public. This certification proves an individual's mastery of the basics of computing and network administration.

Lesson topics include: Introduction to Networking, Networking Components & Standards, Connecting to the Internet, Internet Services, Hardware and Devise Connectivity, and Network and Cloud Security Risks.

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[1] IIT is the prerequisite for Foundations of Web Design
[2] IBA is the End of Course (EOC) Exam for IIT

# Foundations of Web Design
## — Year Two —



Hyper Text Markup Language (HTML5) and Cascading Style Sheets (CSS3) are big news right now. Web developers have been creating websites with them both for the past few years, but awareness among the business community and the general public is really just starting up. This is great! HTML5/CSS3 are major steps forward in web development; plus, HTML5/CSS3 highlight some excellent coding standards that have been around for years, but aren't as widely practiced as they should be.

### Site Development Associate (SDA)[3,4]

SDA is the final Industry Certification course in the Web Foundations Associate Series produced CIW Certification Partners. SDA teaches students to work effectively in today's web development while learning the essential techniques and skills to be successful. Using both HTML5 and CSS3, students will be learning to write code manually, as well as using various graphical user interface (GUI) authoring tools. Once certified, you have proven that you have foundational knowledge to develop basic Web sites.

Lesson topics include: Markup Language & Coding Essentials, Graphical Elements, Hyperlinks, Tables & Forms, Video, Audio Techniques, Extending HTML Through GUI Editors, and Mobile Sites Creation.



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[3] SDA Certification is a requirement for all future certifications
[4] Florida DOE Articulation – 3 college credit earning course