



Atlantic Technical College

Web Development Traditional/Distance Program Syllabus 2026-2027



Instructor Name: Deborah Berg Department Name: Information Technology Office/Classroom Location: Building 7, Room 169 & 169c Phone Number: 754-321-5149 Email Address: deborah.berg@browardschools.com	Instructor Office Hours: M-F: 2:00 – 3:00 pm (appointment preferred) Instructor responses to student requests will be provided within 24 hours of regular school operating hours.
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Traditional Student Hours: Monday – Friday High School AM: 7:05 am – 10:10 am High School PM: 10:50 am – 1:50 pm Postsecondary Part-Time: 7:05 am – 10:05 am Postsecondary Full-Time: 7:05 am – 1:50 pm Break: 10:10 am – 10:20 am Lunch: 10:20 am – 10:50 am Distance Student Hours: 100% Distance: Monday – Friday Virtual Lab: Mandatory Thursday Virtual Meetings- 5:30pm – 8:30pm <i>Only Part-Time Available for Online</i>	Program Name: Web Development		
	OCPs	Course Names	Hours
	A	OTA0040 Information Technology Assistant	150
	B	CTS0070 Web Design Foundations CTS0071 Web Interface Design	150 150
	C	CTS0049 Web Scripting CTS0015 Web Media Integration	150 150
	D	CTS0017 Web Interactivity CTS0016 Web E-Commerce	150 150

Technical College Policy/Adult Student Attendance:

- A student must be withdrawn after being absent for six (6) consecutive days.
- Two (2) additional absences may be allowed under certain circumstance with appropriate documentation.
- Please refer to the Student Handbook for postsecondary students.

<http://www.atlanticttechnicalcollege.edu/atc-student-handbook/>

Magnet High School/Attendance Policy:

A student who has had at least five unexcused absences, or absences for which the reasons are unknown, within a calendar month, or 10 unexcused absences, or absences for which the reasons are unknown, within a 90-calendar-day period, may be exhibiting a pattern of non-attendance acc County, Policy 5.5.

According to (F.S.1003.26 (1) (b)) and the School Board of Broward

Required Book(s) and/or Online Access: • CertMaster Learn Tech+ • New Perspectives HTML 5 and CSS 3 8th edition • Photoshop E-book • Dreamweaver E-book	Required Materials/Supplies: • Headphones • USB storage device • Paper, pencil, pen
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All required books and most materials/su plies can be purchased from the ATC bookstore.

Stop by during operational hours for pricing and purchasing information or visit:

<https://www.atlanticttechnicalcollege.edu/bookstore-price-list/>.

Grading System: A 90 - 100% B 80 - 89% C 70 - 79% D 60 - 69% F 0 - 59% I Incomplete	Additional Program Specific Grading Information: Testing Policy Tests must be taken on the assigned test date. Students who are absent on the scheduled test date will have two days to take the test without a grade penalty, and it is the student's responsibility to make up the test. Any test taken after the two-day makeup period will result in a 10% test grade reduction. Please speak with Mrs. Berg before the assigned
Grading Categories: Projects: 60% Tests: 30% Time Management: 10%	test date if there is any reason you cannot take the test on the assigned date. Assignment Policy Assignments must be submitted on the date they are due. Students who are absent on the scheduled assignment due date will have two (2) days to make up and submit the assignment(s) without a grade penalty. Any assignments submitted after the two-day makeup period will not be accepted and will result in a zero for the assignment(s).
Online Course Grading Policy: • Online students' grades and attendance are based on the following: • Scheduled assignments are due each Monday by 11:59 pm. Late submission of work will affect the assignment grade. • Students assume full responsibility for the content and integrity of submitted work. As the guiding principle of academic integrity, a student's submitted work, examinations, reports, projects, etc. must be his/her own. • Unless otherwise stated by the instructor, physical or digital references including books, charts, graphs, diagrams, photos, notes or calculators may not be utilized during assessments or exams. Blank scratch paper will be permitted during certain assessments. • Exams may include an oral or lab/skills component and final exams will be completed in-person during a lab session.	
Computer Requirements for Online Students: • Internet bandwidth speed of at least 5 Mbs • 128 GB hard drive or larger • Full QWERTY Keyboard and mouse • 4 GB RAM or higher • 2 GHz Intel Processor or faster • 14-inch sized screen or larger with 720 x 1280 resolution or greater, (2 monitors are recommended, not required) • Windows 10 or MAC OS X* – latest version • Chrome or Firefox web browser – latest version • Anti-virus program (updated regularly) • Webcam & microphone is necessary	
View Your Grades: Grades can be viewed online by following the directions below: 1. Go to Clever SSO Website link: https://sso.browardschools.com and login: a. Username: 10-digit student ID number b. Password: PMM/DD/YYYY (or your personally created password after initial login) 2. Click on the FOCUS app on your Clever opening page. (You may need to scroll-down the page to see the FOCUS app.) 3. Enter your FOCUS username and password.	

NOTE: If the Focus App. is not visible after logging into Clever, please navigate to the Broward Focus website directly:
<https://broward.focusschoolsoftware.com/focus/>.

Classroom/Lab Rules:

- Sign in and out DAILY.
- Read and follow DAILY AGENDA upon arrival.
- Follow all rules in the student and discipline code books.
- Cell phones silent or OFF and PUT AWAY.
- Contact instructor by 8:00 am on the same day when absent (email preferred).
- Come to class prepared to work and be respectful of ALL classmembers.
- ALL assignments submitted to instructor must reflect the student's own individual work.
- NO FOOD OR BEVERAGES IN THE LAB.

Industry Certification & State Credential Exam Cost:

- CompTIA Tech+- \$126
- Adobe Certified Associate: Photoshop- \$115
- Adobe Certified Associate: Dreamweaver- \$115

You may qualify for certification reimbursement of your exam cost(s) upon passing. Credential fees are estimated & subject to change.

Outstanding Student Recognition Information:

A gold seal will be applied to a Program Completion Certificate or an Applied Technology Diploma if the student has earned a 3.5 GPA or higher in their Career and Technical Education (CTE) classes.

Program Name: Web Development

Course Number: OTA0040

Course Name: Information Technology Assistant

Occupational Completion Point: A

Intended Outcomes: (From FL DOE Curriculum Framework) Student will be able to:

- Demonstrate knowledge, skill, and application of information systems to accomplish job objectives and enhance workplace performance
- Develop an awareness of microprocessors and digital computers
- Demonstrate an understanding of operating systems
- Use technology to enhance the effectiveness of communication skills utilizing word processing applications
- Use technology to enhance communication skills utilizing presentation applications
- Use technology to enhance the effectiveness of communication utilizing spreadsheet and database applications
- Use technology to enhance communication skills utilizing electronic mail
- Investigate individual assessment and job/career exploration and individual career planning that reflect the transition from school to work lifelong learning, and personal and professional goals
- Incorporate appropriate leadership and supervision techniques, customer service strategies, and standards of personal ethics to accomplish job objectives and enhance workplace performance
- Demonstrate competence using computer networks, internet, and online databases to facilitate collaborative or individual learning and communication.
- Demonstrate proficiency in page design applicable to the WWW
- Develop an awareness of emerging technologies
- Develop awareness of computer languages and software applications
- Demonstrate comprehension and communication skills
- Use social media to enhance online communication and develop an awareness of a digital footprint
- Develop an awareness of the fundamentals of cybersecurity
- Investigate emerging technologies and their impact on the world

Course Number: CTS0070

Course Name: Web Design Foundations

Occupational Completion Point: B

Intended Outcomes: (From FL DOE Curriculum Framework) Student will be able to:

- Demonstrate proficiency in setting website project requirements during the design phase and project planning phase of web development
- Demonstrate proficiency in creating a logical website file structure
- Create basic webpages that meet the industry standards as set forth by the W3C (World Wide Web Consortium)
- Incorporate images and graphical formatting on a web page
- Create a basic table structure
- Incorporate form structures in a webpage
- Discuss appropriate use of frame structures and their outdated usage
- Understand the basic principles of Cascading Style Sheets
- Use CSS to create basic webpages based on industry standards
- Understand webpage layout techniques including absolute positioning and modern responsive layout methods
- Understand basic web design technology
- Describe the process for publishing a website
- Describe how website performance is monitored and analyzed
- Create an informational website that conforms to industry standards as set forth by the W3C
- Demonstrate efficient, consistent website development practice (use of templates, snippets)
- Demonstrate language arts knowledge and skills
- Demonstrate mathematics knowledge and skills

Course Number: CTS0071

Course Name: Web Interface Design

Occupational Completion Point: B

Intended Outcomes: (From FL DOE Curriculum Framework) Student will be able to:

- Incorporate Human Computer Interface (HCI) principles of design
- Research and obtain information for use in designing the user interface
- Create a user-friendly interface using Cascading Style Sheets (CSS)
- Create a CSS formatted informational website
- Demonstrate proficiency publishing, testing, monitoring, and maintaining a website
- Use oral and written communication skills in creating, expressing, and interpreting information and ideas
- Solve problems using critical thinking skills, creativity and innovation
- Describe the roles within teams, work units, and larger environments as it relates to website project management
- Describe the importance of professional ethics and legal responsibilities as it relates to website development

Course Number: CTS0049

Course Name: Web Scripting

Occupational Completion Point: C

Intended Outcomes: (From FL DOE Curriculum Framework) Student will be able to:

- Discuss the differences between server-side and client-side scripting.
- Demonstrate understanding of the document Object Model (DOM).
- Design, write, debug, and incorporate a JavaScript client-side script into a webpage
- Incorporate basic JavaScript form validation and form handling (using pre-built validation scripts or online libraries)
- Use advanced JavaScript techniques.
- Demonstrate understanding of JavaScript accessibility issues
- Select and modify appropriate library and pre-built JavaScript to incorporate into webpage

Course Number: CTS0015

Course Name: Web Media Integration

Occupational Completion Point: C

Intended Outcomes: (From FL DOE Curriculum Framework) Student will be able to:

- Demonstrate understanding of XML vocabularies and documents
- Create and debug an XML document
- Demonstrate an understanding of Asynchronous JavaScript and XML (AJAX) and its implications for web developers
- Incorporate Canvas API methods into a webpage
- Demonstrate an understanding of back-end scripting language
- Demonstrate an understanding of databases

Course Number: CTS0017

Course Name: Web Interactivity

Occupational Completion Point: D

Intended Outcomes: (From FL DOE Curriculum Framework) Student will be able to:

- Demonstrate an understanding of Content Management Systems (CMS) and their implications for web development
- Evaluate the suitability for and system requirements for a content management system
- Demonstrate an understanding of multimedia applications and their implications for web designers
- Create and incorporate interactive website components
- PDF document usage considerations
- Demonstrate proficiency using HTML5 features and functions
- Manage web development projects using version control tools
- Develop and present a professional web development portfolio

Course Number: CTS0016

Course Name: Web E-Commerce

Occupational Completion Point: D

Intended Outcomes: (From FL DOE Curriculum Framework) Student will be able to:

- Demonstrate knowledge and skills necessary to setup a secure E-commerce site
- Identify security issues associated with E-commerce and discuss methods to mitigate risks
- Apply skills necessary to set up an E-commerce storefront
- Employ techniques to enhance the value and profitability of an E-commerce website
- Develop evaluation and performance monitoring metrics and target goals for an E-commerce website



The School Board of Broward County, Florida, prohibits any policy or procedure which results in discrimination on the basis of age, color, disability, gender identity, gender expression, genetic information, marital status, national origin, race, religion, sex or sexual orientation. The School Board also provides equal access to the Boy Scouts and other designated youth groups. Individuals who wish to file a discrimination and/or harassment complaint may call the Director, Equal Educational Opportunities/ADA Compliance Department & District's Equity Coordinator/Title IX Coordinator at 754-321-2150 or email eeo@browardschools.com. Individuals with disabilities requesting accommodations under the Americans with Disabilities Act Amendments Act of 2008, (ADAAA) may call Equal Educational Opportunities/ADA Compliance Department at 754-321-2150 or email eeo@browardschools.com. **browardschools.com**