



IST 267 Web Development Tools
School of Science Technology Engineering & Math (STEM)
SEMESTER

Program Name: Information Systems Technology

Course Name: Web Development Tools

Course Number: IST267-XXX

Credits: 3

Contact Hours: 3

Instructor's Name:

Office Location & Hours:

Campus E-mail:

Catalog Description

This course will help students prepare to be successful web authors by introduction them to current web development tools using the most current web development software for creating and managing Web sites and pages. Students will explore World Press, Cascading Style Sheets (CSS), Accessibility, HTML, and JavaScript on their way to becoming Junior WordPress Developers. Perfect for the IT student interested in Computer Programming and for the Media Influencer student looking to build their skills!

Prerequisite: IST-126 (Intro to HTML)

Required Textbooks & Materials

No books required. You must register for hosting and create a domain name by purchasing a plan from Host Gator. It is very low-cost

Course Outcomes:

This course will cover:

1. Skills required to install and utilize the Adobe Dreamweaver software.
2. Review of HTML and CSS basics.
3. Review of Web Design and Page Layout basics.
4. Review of Web Frameworks and Templates.

5. Importance of Responsive Design and Design for Mobile Devices.
6. Working with HTML code in Dreamweaver.

Student Learning Outcomes:

After completing this course, the student will be able to:

1. Utilize the WordPress and editing tools.
2. Explain the basics of working with Images, Text, Lists, and Tables and creating Navigation.
3. Understand the process of Publishing to the Web.
4. Understand the process of Responsive Design and information for Design for Mobile Devices.

Participation:

Dedicated and persistent participation is necessary to achieve the expected goals from this course. Often, technology courses can be more demanding than traditional courses because the student must read, comprehend the chapter material, use critical thinking, and time management skills to accomplish the course goals satisfactorily. Student participation is crucial to success, so check e-mail, announcements, messages, assignments, lectures, videos, assessments, participate in discussion boards, and all other Blackboard areas regularly (at least 3 times a week).

Grading for this course:

Grading Procedure: (i.e., include the way in which the grade is calculated) Grades for this course are calculated using an average of all points.

Grade Percentage	Letter Grade
90-100%	A
80-89%	B
70-79%	C
60-69%	D
Below 60%	F

Total Possible 10580

90-100% (9522 or above points) A

80-89% (8464 to 9521 points) B

70-79% (7406 to 8463 points) C

60-69% (6348 to 7405 points) D

Below 60% (below 6348 points) F (Must pass final exam and final project minimum 71% each to pass the course) Consider this: All students are able and encouraged to work ahead. If you cannot find time to work ahead in case of emergency when would you find time to make up the work? You control your schedule. Plan the necessary time for coursework.

Guidelines: This is a professional college course, you are required to use proper spelling, punctuation, complete sentences, and correct grammar throughout the course...do not be offended if emails are returned for correction! Please complete your work carefully, spell checking, and then submitting.

General Grading Rubric for All Assignments

Late work is not accepted for any reason.

Not submitted on time; "0" points

Assignment submitted on time, follows directions, is of appropriate length, and demonstrates that the student grasps the topic, full points.

Assignment submitted on time, is incomplete, misses the point, or does not demonstrate student grasp of topic; half points (more or less depending on degree) Missing assignments 0 Points

***** Waiting until the day assignments are due to complete work is not viable to be successful, please work ahead, we want your success!!*****

Posting of Grades:

Grades will be posted on Blackboard under My Grades. Student work will be graded within 1 week of the due date.

Late Work:

No late work is accepted for any reason. Consider this: All students are able and encouraged to work ahead. You control your schedule. Plan the necessary time for coursework.

General Information, College Policies, & Laws:

Owens Policies:

For information on FERPA, Cheating and Plagiarism, Assessment of Student Learning Outcomes and Student Code of Conduct, please refer to the appropriate section of the current Owens Community College Catalog online.

Disability Resource Center:

If you have a disability or acquire one, you may be entitled to receive individualized services and/or accommodations intended to assure you an equal opportunity to participate in and benefit from the program. To receive more information or to apply for services, please contact the Office of Disability Services in College Hall 116 at 567-661-7007 or email disability@owens.edu.

Student Code of Conduct:

All students are expected to follow Owens Community College's Student Code of Conduct. If you are unfamiliar with the code, it can be found at https://www.owens.edu/student_services/code_conduct.html

Anti-Discrimination and Harassment & Title IX/Sexual Misconduct:

All students, faculty, and staff are expected to follow Owens Community College's Anti-Discrimination and Harassment Policy and the College's Title IX/Sexual Misconduct Procedures and Guidelines. The College strictly prohibits and will not tolerate harassment, discrimination, intimidation, or hostile/offensive working or learning environments.

If you are unfamiliar with the Anti-Discrimination and Harassment Policy, it can be found at:

<https://www.owens.edu/trustees/procedures/proc3358-11-4-17.pdf>

If you are unfamiliar with the Title IX/Sexual Misconduct Procedures and Guidelines, it can be found at:

<https://www.owens.edu/trustees/procedures/proc3358-11-4-17-titleIX.pdf>

COVID-19 and Mask Information:

Please pay attention to the College's current policy on masks. Currently, masks are required on campus while indoors; however, this requirement may change depending on COVID-19 circumstances. If changes are made, you will be informed via email and/or other communication methods.

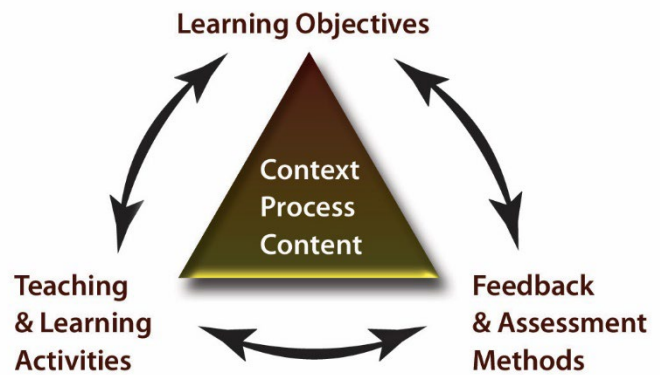
Course Content with Tentative Timetable See Blackboard for specific assignments and due dates.

Week	Learning Outcome	Topic
Learning Module 1 Week 1 & 2	1, 2, 3	View & Print: Syllabus & Due Dates (you should have already done this!) Complete: pre-assessment Complete: Introduction Discussion Complete: Glossary Review & Take Notes! Complete: Lesson 1, Lesson 2, and Lesson 3 assignments Complete Optional Labs (not optional) Complete: Learning Module 1 Quizzes Complete: Learning Module 1 Discussions Complete: Learning Module 1 Discussion Final Project! Complete: Learning Module 1 - Submission - Final Plan & Report
Learning Module 2 Week 3 & 4	1, 2, 3	Complete: Lesson 4, Lesson 5, Lesson 6, and Lesson 7 assignments Complete Optional Labs (not optional) Complete: Learning Module 2 Quizzes Complete: Learning Module 2 Discussions Complete: Learning Module 2 Discussion Final Project! Complete: Learning Module 2 - Submission - Final Plan & Report
Learning Module 3 Week 5 & 6	1, 2, 3, 4	Complete: Lesson 8, Lesson 9, Lesson 10, and Lesson 11 assignments Complete Optional Labs (not optional) Complete: Learning Module 2 Quizzes Complete: Learning Module 3 Discussions Complete: WordPress CSS Essential Training and Making Sense of the CSS Box lessons - download and install programs and data files Complete: Learning Module 3 Discussion Final Project! Complete: Learning Module 3 - Submission - Final Plan & Report
Learning Module 4 Week 7 & 8	1, 2, 3, 4	Complete: Lesson 12 Lesson 13, and Lesson 14 assignments Complete: Learning Module 4 Quizzes Complete: Learning Module 4 Discussions

		Complete: WordPress HTML Essential Training lesson Complete: Learning Module 4 Discussion Final Project! Complete: Learning Module 4 - Submission - Final Plan & Report
Learning Module 5 Week 9 & 10	1, 2, 3	Complete: Lesson 15, Lesson 16, Lesson 7, and Lesson 18 assignments Complete: Learning Module 5 Quizzes Complete: Learning Module 5 Discussions Complete: WordPress Block Models & Accessibility in WordPress lessons (quiz based upon this content and discussion assignment content) Complete: Learning Module 5 Discussion Final Project! Complete: Learning Module 5 - Submission - Final Plan & Report
Learning Module 6 Week 11 & 12	1, 2, 3, 4	Complete: Lesson 19, Lesson 20, and Lesson 21 assignments Complete: Learning Module 6 Quizzes Complete: Learning Module 6 Discussions Complete: JavaScript Essential Training lesson (quiz based upon this content and discussion assignment content) Complete: Learning Module 6 Discussion Final Project! Complete: Learning Module 6 - Submission - Final Plan & Report
Learning Module 7 Week 13 & 14	1, 2, 3, 4	Complete: Lesson 22, Lesson 23, Lesson 24, and Lesson 25 assignments Complete: Learning Module 7 Quizzes Complete: Learning Module 7 Discussions Complete: Learning Module 7 Discussion Final Project! Complete: Learning Module 7 - Submission - Final Plan & Report
Learning Module 8 Week 15 & 16	1, 2, 3, 4	Complete: Learning Module 8 Discussions Final Project and Final Project Review! Submit: Post assessment, Final Exam & Project Plan/Report Complete: Preengine Complete: Practice Test A Complete: Final Exam

Disclaimer: “The instructor reserves the right to amend this syllabus as deemed necessary and will communicate such amendment to the students in the course.”

PROGRAM LEARNING OUTCOMES BY
CIS DEGREE PROGRAM



Computer Networking & Systems
Administration Program Outcomes

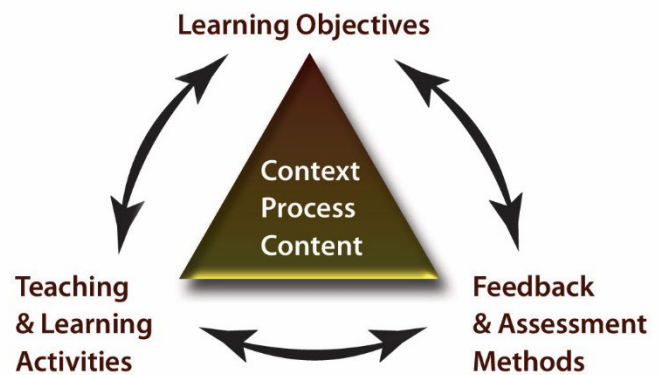
Upon completion of the program, students will be able to:

1. Identify possible causes of network and technical problems and to install and maintain network hardware and systems software.
2. Evaluate system performance and security and take corrective action.
3. Communicate with technical and non-technical people, and how to translate technical information into business language and document solutions.
4. Identify and demonstrate understanding of the ethical and legal issues that impact technology.
5. Earn IT Industry Certifications to demonstrate their skills learned and build their credentials for employment and further study.

Certificates embedded in the degree program:

- Network Tech I certificate
- Network Tech II certificate

PROGRAM LEARNING OUTCOMES BY
CIS DEGREE PROGRAM



Computer Programming & Development
Program Outcomes

Upon completion of the program,
students will be able to:

1. Effectively solve problems using a variety of data formats and environments.
2. Analyze, design, implement, test and document solutions to modern business problems in more than one computer programming language.
3. Demonstrate confidence in the ability to work as a computer programmer/developer in a modern business environment, both independently and as part of a team.
4. Identify and demonstrate understanding of the ethical and legal issues that impact technology.
5. Earn IT Industry Certifications to demonstrate their skills learned and build their credentials for employment and further study.

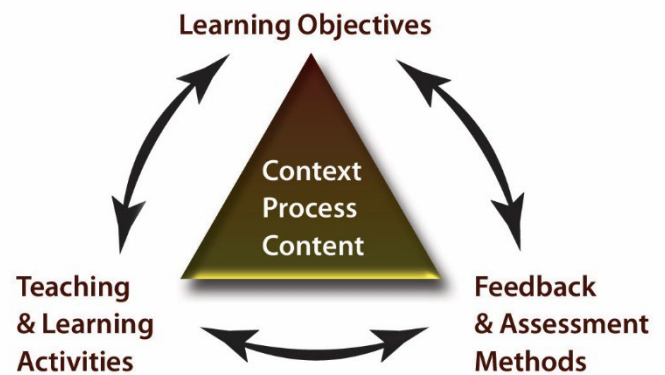
Certificates embedded in the degree program:

- Computer Programming – Developer I certificate
- Computer Programming – Developer II certificate

Program Learning Outcomes by CIS Degree Program

Computer Science Program Outcomes

Upon completion of the program,
students will be able to:

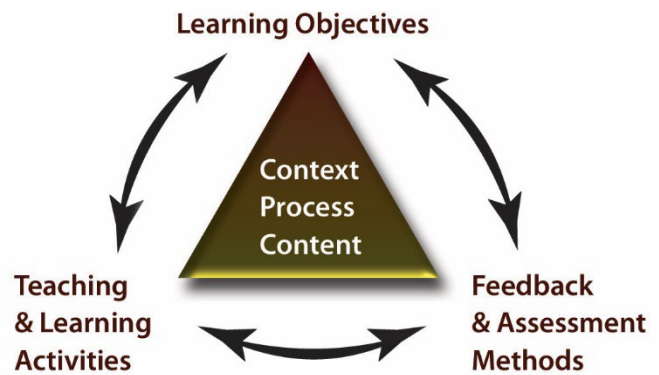


1. Design, analyze and test computer programs and systems.
2. Apply mathematical and algorithmic principles to solve computing problems.
3. Communicate effectively with a range of audiences about computer technologies.
4. Identify and demonstrate understanding of the ethical and legal issues that impact technology.
5. Earn IT Industry Certifications to demonstrate their skills learned and build their credentials for employment and further study.

Certificates embedded in the degree program:

- Computer Science Tech I certificate
- Computer Science Tech II certificate

PROGRAM LEARNING OUTCOMES BY
CIS DEGREE PROGRAM



Computer Systems Technologies & Support Program Outcomes

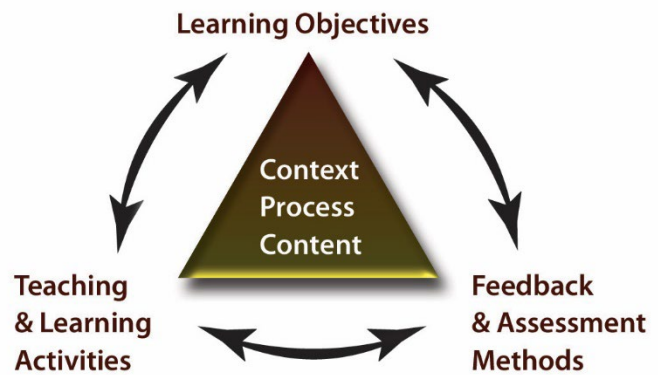
Upon completion of the program, students will be able to:

1. Identify Information Systems-related problems and to document and recommend a solution demonstrating both effective research and documentation skills.
2. Effectively communicate both orally and/or in written form with management, team members or customers.
3. Install and maintain secure computer hardware and systems software.
4. Demonstrate knowledge and ability to support applications, hardware, and security.
5. Identify and demonstrate understanding of the ethical and legal issues that impact technology.
6. Earn IT Industry Certifications to demonstrate their skills learned and build their credentials for employment and further study.

Certificates embedded in the degree program:

- **Computer Support certificate**
- **IT Project Management certificate**

PROGRAM LEARNING OUTCOMES BY
CIS DEGREE PROGRAM



Computer WAN & Cloud Technologies Program Outcomes

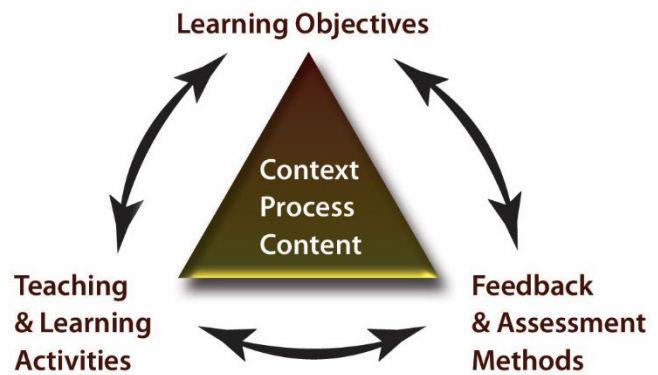
Upon completion of the program, students will be able to:

1. Design, configure, troubleshoot and secure networks.
2. Demonstrate use of network protocols, routing, switching, hardware and management.
3. Implement cloud computing principles, virtualization, cloud infrastructure and platform-as-a-service (PaaS) solutions.
4. Communicate effectively with a range of audiences about computer technologies.
5. Identify and demonstrate understanding of the ethical and legal issues that impact technology.
6. Earn IT Industry Certifications to demonstrate their skills learned and build their credentials for employment and further study.

Certificates embedded in the degree program:

- Computer WAN Cloud Tech I certificate
- Computer WAN Cloud Tech II certificate

PROGRAM LEARNING OUTCOMES BY
CIS DEGREE PROGRAM



Cyber Security Program Outcomes

Upon completion of the program, students will be able to:

1. Identify validated sources for security alerts and tools.
2. Use a collection of appropriate tools and techniques to identify, isolate, eliminate and recover from threats and to make appropriate recommendations in order to avoid, lessen, or mitigate such risks.
3. Create and maintain a knowledge base including end-user documentation, policies, procedures and problem resolutions using industry standard maintenance and reporting tools.
4. Secure and test processes for business and industry continuity and disaster recovery.
5. Identify and demonstrate understanding of the ethical and legal issues that impact technology.
6. Earn IT Industry Certifications to demonstrate their skills learned and build their credentials for employment and further study.

Certificates embedded in the degree program:

- **Security Tech certificate**