

Web and Graphic Design		Course Description
Catalog Year: 2022, Required Hours: 1140		
Required Core Courses (180 hours required)		
Web and Graphic (180 hours required)		Hours
MDTC1005	Introduction to Web and Graphic Design	90.00
In this course, students will be introduced to current practices used in the web and print communication industries. This course lays the foundation for more advanced courses in Web and Graphic Design. Students will be introduced to methods of analyzing, planning, evaluation, and executing electronic and print-based communication for clients. Students will learn about sketching prototypes, wireframes, and final deliverables.		
MDTC1027	Adobe Photoshop I	90.00
Adobe Photoshop is the industry standard software for creating and editing raster graphics. Student will learn techniques for common Photoshop tasks including: selecting and isolating objects, creating image composites, masking and editing images, setting typography, and improving images with retouching and effects.		
Elective Courses (960 hours required)		
Graphic Designer (300 hours required)		Hours
MDTC1030	Design Principles	120.00
Students will be introduced to the basic principles and elements of design including line, shape, format, etc. Students will complete assignments designed to apply the concepts introduced in each section. Students will be introduced to the color wheel, color harmony, various forms of type, and how these features can be used to communicate ideas effectively. Students will understand the design process and apply it to creative solutions.		
MDTC2415	UI Development	90.00
Students will learn skills in creating a web project that focuses on the fine detail of how users interact with the browser/device. They will develop skills which will enable them to create visual design using a graphical editor, and convert those layouts into useable code responsive to multiple browsers and devices.		
MDTC1301	Adobe InDesign I	90.00
This course is designed to give students experience using desktop publishing software to prepare design work for print, e-publishing, and the web. Students will complete projects that give them experience in creating documents that are ready for publication.		
MDTC2305	Adobe InDesign II	90.00
This course will teach students how to use desktop publishing software more efficiently, and give them a comprehensive knowledge of the software. Students will complete projects that can be used for their portfolio.		
MDTC1401	Adobe Illustrator I	90.00
This class introduces concepts, technical information and artistic requirements for completing a successful illustration utilizing the computer as the medium. It includes creative techniques for drawing, designing, filling, blending, and texturing.		
MDTC2405	Adobe Illustrator II	90.00
An advanced course designed to teach the student techniques and procedures for developing digital artwork and computer graphics using a personal computer and current industry standard illustration software.		
MDTC2025	Adobe Photoshop II	90.00
Develop skills in the leading graphic design applications and tools.		
MDTC2526	Adobe Premiere	90.00
Students will learn the fundamentals of analog editing and receive detailed instruction in the use of non-linear editing programs on desktop computers. Students will gain skills in the non-linear editing interface, types of effects, titles, equalization, audio effects and filters.		
MDTC2536	Adobe After Effects	90.00
Students will learn the basics of creating motion graphics and compositing with Adobe After Effects. Students will learn to import graphics and video content to manipulate and animate using various timeline animation techniques. Students will create and export motion graphics in various formats.		
MDTC2170	Electronic Portfolio	120.00
The goal of this course is to guide students in putting together an electronic version of their portfolio. The assignments are designed to give students additional material for their portfolio. When finished, students will have created a complete marketing package to display their work on the web and via CD ROM.		
MDTC2070A	Media Design Internship/Externship I	30.00
Students will work either on campus or at an external job site on various projects to gain experience in the field. Intern/Externship opportunities are based on availability.		
MDTC2070B	Media Design Internship/Externship II	30.00
Students will work either on campus or at an external job site on various projects to gain experience in the field. Intern/Externship opportunities are based on availability.		
Front-End Developer (300 hours required)		Hours

Ogden-Weber Technical College

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MDTC1100	Introduction to HTML and CSS	90.00
This course will teach students basic HTML and Cascading Style Sheet (CSS) concepts and a useful range of skills for complete newcomers. Students will learn path and folder structure, FTP and Web Server procedures. They will have the opportunity to learn and use both code and WYSIWYG based HTML editors. Students will learn to understand introductory aspects of web page building, such as the tags required to create paragraphs, image elements, hyperlinks and tables.		
MDTC2175	Web Design Concepts	60.00
In this course students will be introduced to current practices used in the web and print communication industries. This course lays the foundation for more advanced courses in Web and Graphic Design. Students will be introduced to methods of analyzing, planning, evaluating, and executing electronic and print based communication for clients. Students will learn about sketching, prototypes, wireframes, and final deliverables.		
MDTC2111	HTML and CSS	120.00
This course will give students hands on experience using everything they need to develop highly effective Web sites. Students will learn comprehensive coverage of HTML5, Cascading Style Sheets (CSS), and Web design best practices. This course presents information on accessibility, ethics, e-commerce, Web site promotion strategies, and JavaScript..		
MDTC2136	JavaScript and JQuery	120.00
This course will demonstrate to students the fundamental concepts of JavaScript and JQuery. Students will develop a useful range of skills by learning the syntax of the JavaScript and JQuery languages. This course covers how client-side scripts interact with server-side programs using the Document Object Model (DOM), control program flow, validate forms, and animate images. At the end of this class, participants will have the knowledge necessary to utilize the power of JavaScript and JQuery to provide dynamic content on their Web sites.		
MDTC2145	JavaScript II	120.00
This course will teach students a continuation of Java Script		
MDTC2110	WordPress	60.00
Learn to use WordPress to manage your website or blog. This comprehensive hands-on training you'll learn how to install WordPress, configure it for SEO, and manage content in an organized way best suited for your business or personal needs.		
MDTC2115	Responsive Development	120.00
Students will learn the techniques used to craft websites that will provide the optimal viewing experience: Easy reading and navigation, with a minimum of resizing, panning, and scrolling, viable across a wide range of devices, from mobile phones to desktop and computer monitors.		
MDTC2125	PHP	120.00
This advanced scripting class teaches techniques necessary to use PHP to build professional quality, database-driven web sites. It uses open-source code to work with object oriented programming and incorporate authentication and security.		
MDTC2116	PHP and MySQL	120.00
This advanced scripting class teaches techniques necessary to use PHP and MySQL to build professional quality, database-driven web sites. It uses open-source code to work with object oriented programming and incorporate authentication and security.		
MDTC2121	Search Engine Optimization	90.00
This course introduces to students the tools and concepts they need to understand and employ a wide range of marketing strategies for building successful websites, using SEO techniques.		
MDTC2070C	Media Design Internship/Externship III	30.00
Students will work either on campus or at an external job site on various projects to gain experience in the field. Intern/Externship opportunities are based on availability.		
MDTC2070D	Media Design Internship/Externship IV	30.00
Students will work either on campus or at an external job site on various projects to gain experience in the field. Intern/Externship opportunities are based on availability.		