***The Digital Media Technologies Program at Highland High School:***  The Digital Media Technologies Program at Highland High School is designed to prepare students for careers in the Media Production, Graphic Design and Engineering Fields. Completion of the program will give the student a firm base of skills for entry level production work, entrepreneurial endeavors or for educational advancement at the college level. Program courses include Technology 1, Technology 2, Graphic Design 1, Graphic Design 2, Media Productions 1 and Media Productions 2.

**Course Descriptions**

***Technology 1 Course Description***

Technology I is a course that will introduce the student to a wide array of Technological and Computer Based Tools that will be used in the classroom and in problem solving situations in the real world. The course will contain the following areas of study:

1. Technical Drawing: Creation of two and three-dimensional drawings and architectural drawings using AutoCAD, the industry standard program for computerized drafting and design.
2. Website Development: Development of websites using Macromedia Dreamweaver.
3. Graphic Design: Vector graphics and Image editing using Macromedia Fireworks. Emphasis on integrating Fireworks product into webpage applications .
4. Computer Animation: Creation of webpage animations and Graphic Stories using Macromedia Flash.

***Graphic Design 1 Course Description***

Graphic Design 1 is an Advanced Multimedia Arts course that is aimed at the motivated and technologically savvy student. The student will:

1. Become fluent in the operation of Adobe Photoshop, the industry standard for graphic design and image manipulation.
2. Understand the use of visual media as a communication tool.

***Graphic Design 2 Course Description***

Graphic Design 1 is an Advanced Multimedia Arts course that is aimed at the motivated and technologically savvy student. Students will have completed Graphic Design 1 prior to admission into Graphic Design 2. In the course, the student will:

1. Learn the history of Graphic Design and its major influences.
2. Develop proficiency in all aspects of the design process, including creative brainstorming, conceptualizing, critical thinking, collaboration, and presentation.

***Media Productions 1 Course Description***

Media Productions 1 is an Advanced Multimedia Arts Course aimed at introducing the student to a variety of Media vehicles for the transmittal of information. In the course, students will become familiar with all aspects of videography.

1. Students will learn proper techniques for handling camera equipment, changing equipment settings to match filming tasks and for all types of filming situations.
2. Students will learn how to properly import filmed materials into our editing software, Sony Vegas and complete all video editing tasks.
3. Students will become proficient in the art of scripting videographic material.
4. All students will learn the basic skills needed to produce and direct a film.
5. Students will become comfortable and proficient at performing on camera.

***Media Productions 2 Course Description***

Media Productions 2 is an Advanced Multimedia Arts Course available to students who have completed Media Productions 1.

In addition to ongoing practice in creation of videographic projects, students will become familiar with other methods of information transmission in our technologically advanced times. These methods may include (but not be limited to):

1. Digital photography and post-production of digital images.
2. Electronic comics and graphic novellas.
3. Sound and audio editing and production.
4. Podcasting, blogging and/or electronic publishing.

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| **Career Preparation and the Digital Media Technologies Program at Highland High School** |
| **Educational Advancement** | **Careers in Graphic and Web Design** | **Careers in Media Production** | **Careers in Engineering** |
| **High School Diploma** | * Web Designer
* Photographer
* Artist
 | * Production Assistant
* Lighting Design Assistant
* Audio Technician
 | * Computer Aided Drafter
* Designer
* Industrial Engineering Technician
 |
| **2 Year Associate’s Degree** | * Computer Artist
* Graphic Artist
 | * Cinematographer
* Production Coordinator
* Broadcast Engineer
* Cameraman
* Flash Animator
 | * AutoCAD Technician
* Design Drafter
* Draftsman
 |
| **4 Year Bachelor’s Degree** | * Digital Designer
* Field Photographer
* Print Designer
* Photojournalist
 | * Cinema Producer
* Production Manager
* Video Director
* Video Editor
* Broadcaster
* Digital Media Producer
 | * Industrial Designer
* Product Designer
* Urban Planner
* Animatronic Engineer
* CAD Designer
* Civil Engineer
 |
| **Professional Degree** |  |  | * Architect
* Residential Planner
 |

**Career Requirement Source**: [“Job Titles and Careers List” at DiplomaGuide.com](http://diplomaguide.com/article_directory/Job_Titles_and_Careers_List.html)