Career Opportunities

The Digital Manufacturing and Design Innovation Industry offers exciting, high-wage careers in literally hundreds of different areas of specialization. This program allows you the freedom to explore different careers locally, as well as globally in a number of different industries.

- Adaptive Equipment
- Animation
- Animated Video Production
- Architecture
- Auto Design
- Building
- Computer Science
- Design
- Digital Manufacturing
- Engineering
- Fabrication
- Game Design
- Graphic Design
- Landscape
- Mass Production of Equipment
- Multimedia Art
- Project Management
- Robotics
- Web Design

Innovative Design Program is one of the many programs offered through the Career & Technical Education Center at Sullivan County BOCES.

Career & Tech prepares students to be college and career ready. Students leave the program with the skills necessary for success in post-secondary education, the work force, apprenticeships, or the military.

Students have the opportunity to earn up to seven high school credits towards graduation, while meeting industry standards and learning the job skills essential for a specific career or trade.

All of our SED approved programs include articulation agreements with colleges and trade schools. Therefore, students can earn college credit toward an associate or bachelor degree, while they are in high school.

For more information contact
Career & Technical Education Center at Sullivan County BOCES
Ferndale-Loomis Road, Liberty, New York 12754
Ph: (845) 295-4152 / Fx: (845) 295-0513
www.scboces.org

(845) 295-4152 / scboces.org
About the Program

The Innovative Design Program was created for students who are looking to enter the digital manufacturing and gaming industries to become architects, designers, builders, gamers, landscapers, makers and engineers.

Utilizing modeling software and working with the latest technology, students will learn how to explore ideas, create plans and bring their ideas and drawings from two dimensional documents to 3D models.

The areas of study for this program will include.

- SketchUp
- Game Design
- Project Design
- Auto Design
- Building and Landscape Design
- 3D Printing

It is recommended that students interested in this program have a high school average of 80 or above in Math and/or Science.

Industry Specifics

Digital manufacturing is the use of an integrated, computer-based system comprised of simulation, three-dimensional (3D) visualization, analytics and various collaboration tools to create products. Manufacturing has moved from manual mills and lathes to computerized numerical control equipment and 3D printers. Today's manufacturers, whether they are making cars, airplanes, or iPhone parts, are looking for engineers, designers, machinists and computer programmers.

Game design is one of the most exciting and competitive careers in the world. For people with a passion for technology and interactive entertainment, video game design is a dream job, but even those with a slight interest in video games would jump at the opportunity to become a member of this fascinating industry.

Game designers use a combination of technology, science, engineering, mathematics, design, art, and animation skills to create realistic action packed video games. In addition to the entertainment industry, game designers create interactive games for the mobile technology industry, education, advertising and marketing, web design, and many other businesses.

Student Benefits

- Hands-on training with state-of-the-art technology
- Career and Technical Endorsement on the Regents diploma
- A portfolio and resume that will impress colleges and employers
- Membership in the SkillsUSA Club
- Students can potentially earn college credits at the following colleges after successfully completing the program:
  - Alfred State College
  - Binghamton University
  - SUNY Sullivan
  - SUNY Cobleskill

According to the NYS Department of Labor October 2016 Report, the industry has (within a 300 mile radius of Liberty) 9,850 jobs available.