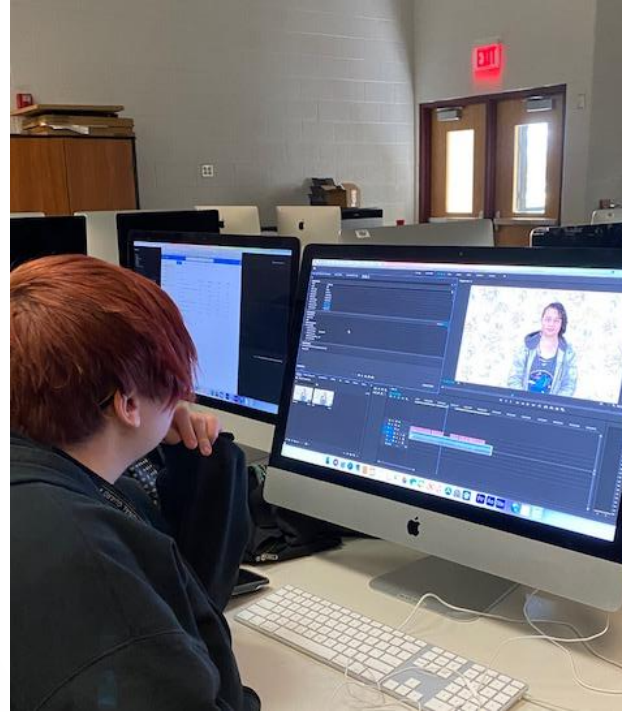**CSI**
Center for Science & Industry
Utica Community Schools

LOGISTICS

- Housed at the Instructional Resource Center located at 14201 Canal Rd east of Schoenherr Rd.

- UCS provides transportation to and from CSI

- AM Session attends from 7:40 am-10:25 am

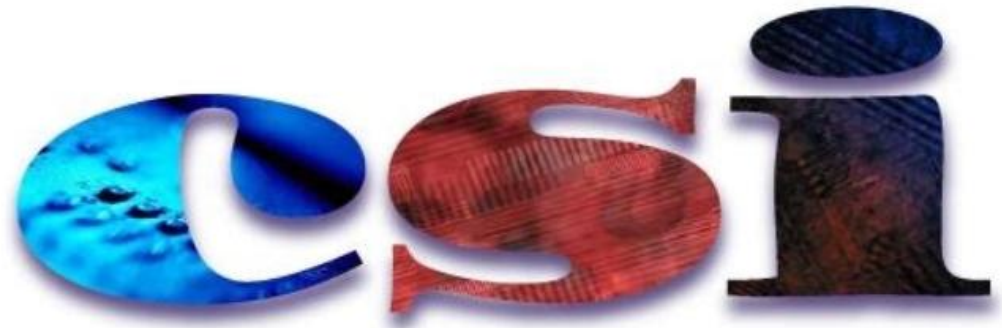- PM Session attends from 11:00 am-1:38 pm

What is CSI?

- A **½ day career and technical education academy** open to all UCS students

- **Unique Pathways**

  - Mechatronics and Engineering

  - Information Technology

  - Multimedia Productions

UCS Specialty Program Spotlight:
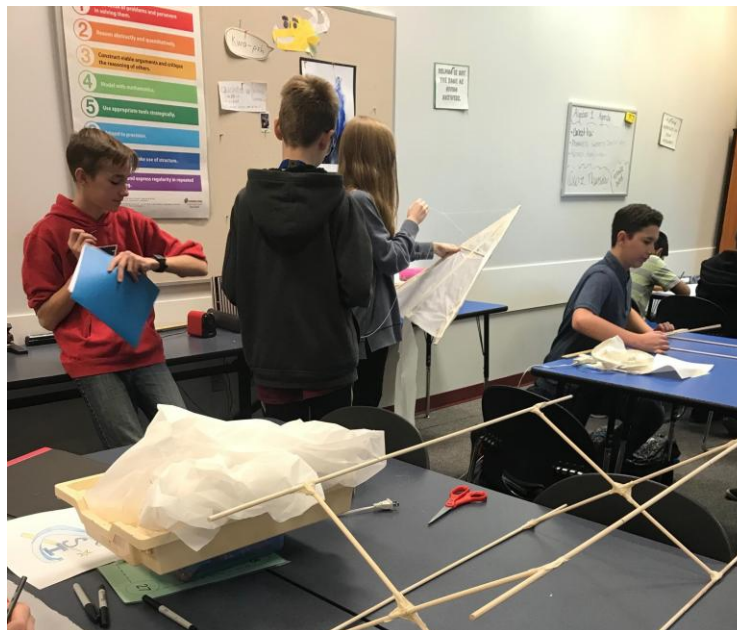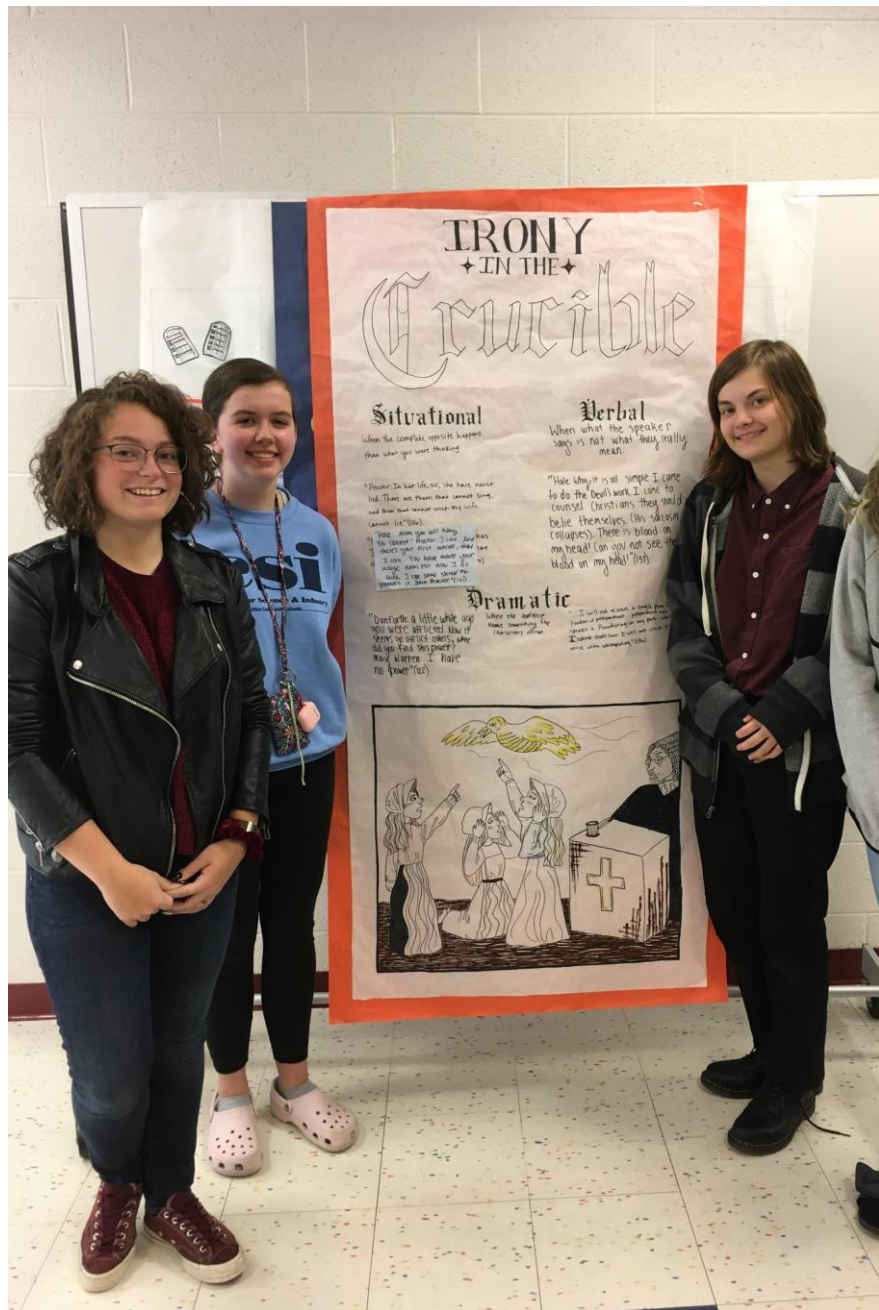Utica Center for Science and Industry

Are you a good fit for CSI?

_____

Ask yourself these questions

Center for Science & Industry
Utica Community Schools

Are you a maker? Do you learn better in a hands-on way?

Do you enjoy working as part of a team?

Do you enjoy programming and robotics?

Do you enjoy digital art and film production?

How is CSI different?

Career and Technical Education focused with core subject integration

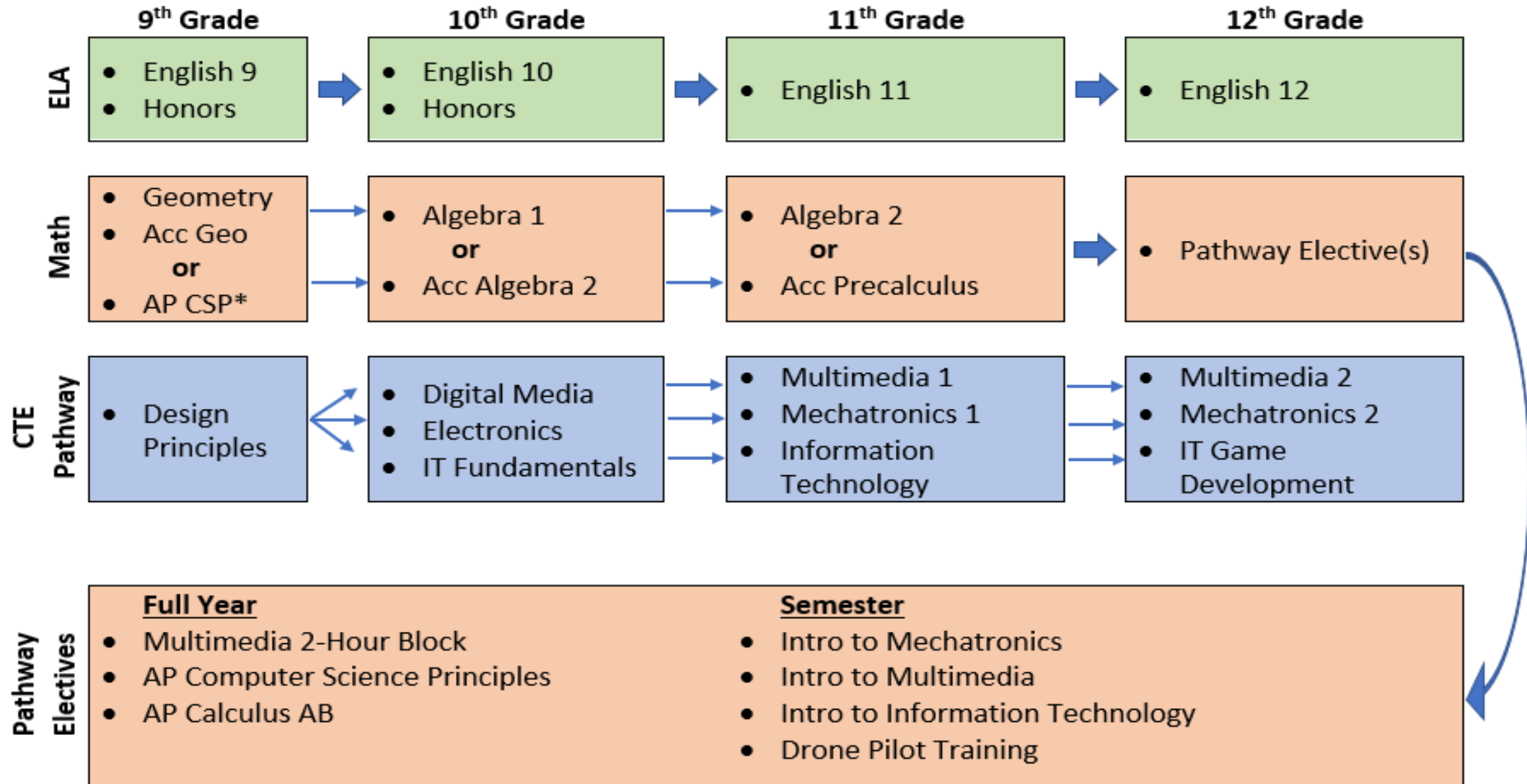Cross-curricular projects and trade shows

Collaboration

Public Speaking

"CSI is a different kind of rigorous..."

NINTH GRADE SCHEDULE

CSI Classes	"Home School" Classes
CSI Elective **Design Principles** Art, Creative Process, Technical Design	**World History or AP World History**
CSI-Geometry*	**Biology**
CSI English 9	**Elective** *(Band, World Language, Etc)*

*If a student enters the program with credit in Algebra 1 & Geometry, they will be placed in AP Computer Science Principles instead of a math class

Utica Center for Science and Industry

	9th Grade	10th Grade	11th Grade	12th Grade
ELA	• English 9 Honors	• English 10 Honors	• English 11	• English 12
Math	• Geometry • Acc Geo **or** • AP CSP*	• Algebra 1 **or** • Acc Algebra 2	• Algebra 2 **or** • Acc Precalculus	• Pathway Elective(s)
CTE Pathway	• Design Principles	• Digital Media • Electronics • IT Fundamentals	• Multimedia 1 • Mechatronics 1 • Information Technology	• Multimedia 2 • Mechatronics 2 • IT Game Development

Pathway Electives

Full Year
- Multimedia 2-Hour Block
- AP Computer Science Principles
- AP Calculus AB

Semester
- Intro to Mechatronics
- Intro to Multimedia
- Intro to Information Technology
- Drone Pilot Training

Overview of CSI Curriculum

Grade	Math		English	CSI Elective		
9th	Geometry, Acc Geometry or AP Computer Science Principles		English 9 Honors English	CSI Design Principles		
10th	Algebra I or Accelerated Algebra II		English 10 Honors English	Digital Media	Principles of Electronics	IT Fundamentals
11th	Algebra II or AP Pre-Calculus		English 11	Multimedia Production I	Mechatronics I	IT Applications
12th	AP Calculus	• Intro to Mechatronics • Intro to Multimedia • Intro to IT • Drone Pilot Training	English 12	Multimedia Production II	Mechatronics II	IT Game Development

Keep in mind, the Michigan graduation requirements mandate each student takes a gym and health class. You do not have to take that at CSI (due to the senior year CTE classes). This will allow you to take more electives at your high school
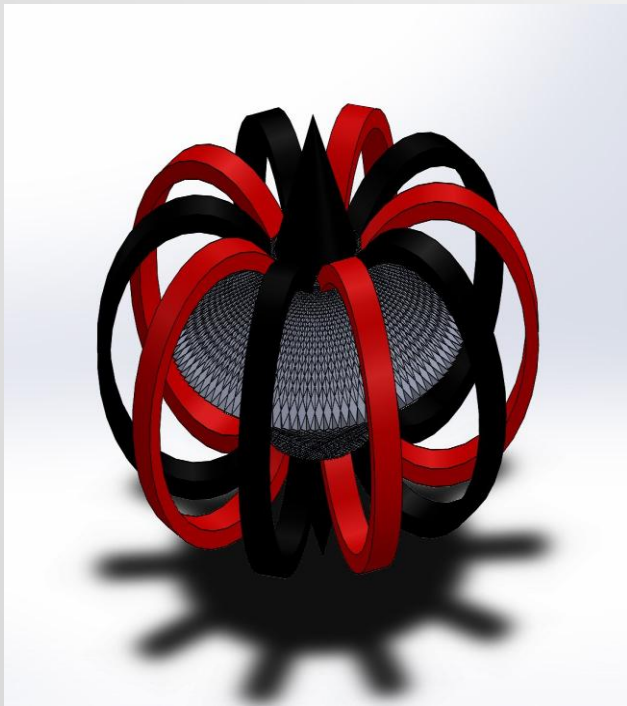
ENGINEERING MECHATRONICS

- Electronics & circuitry
- Alternative energy
- Engineering process
- Sensor technology
- SolidWorks/3D design
- Programming
- Robotics
- Pneumatics
- 3D Printing
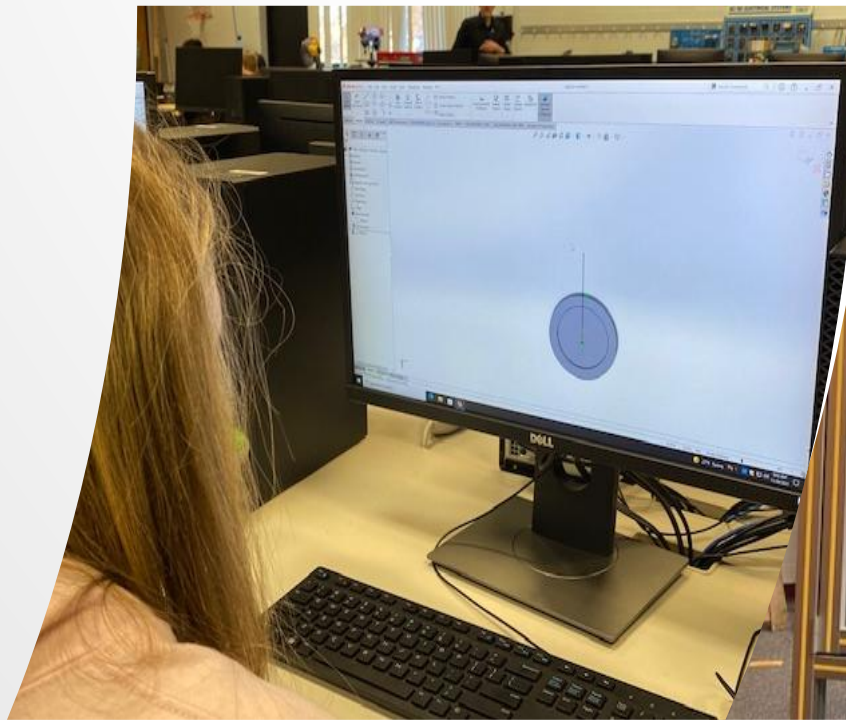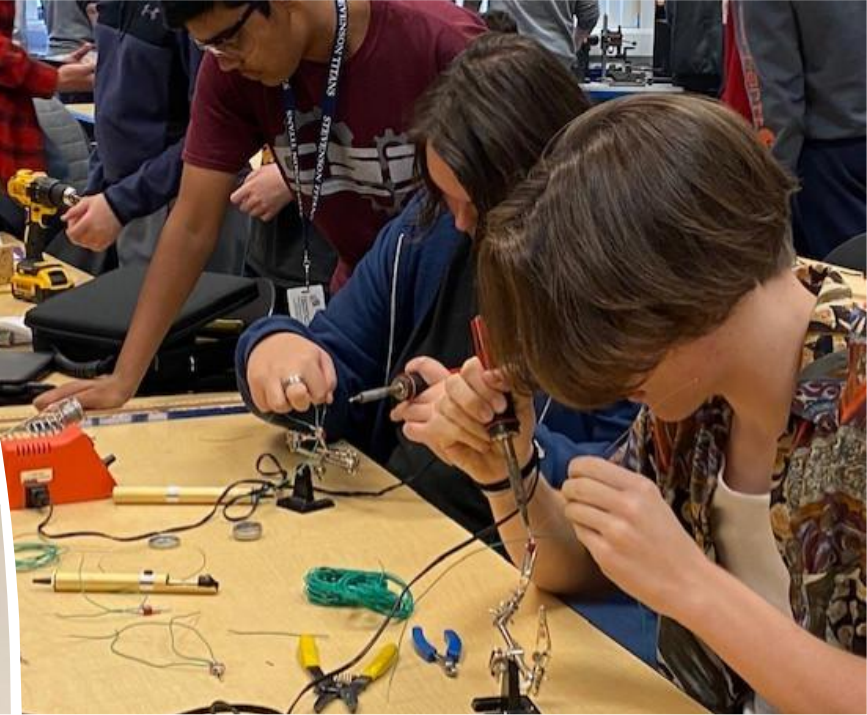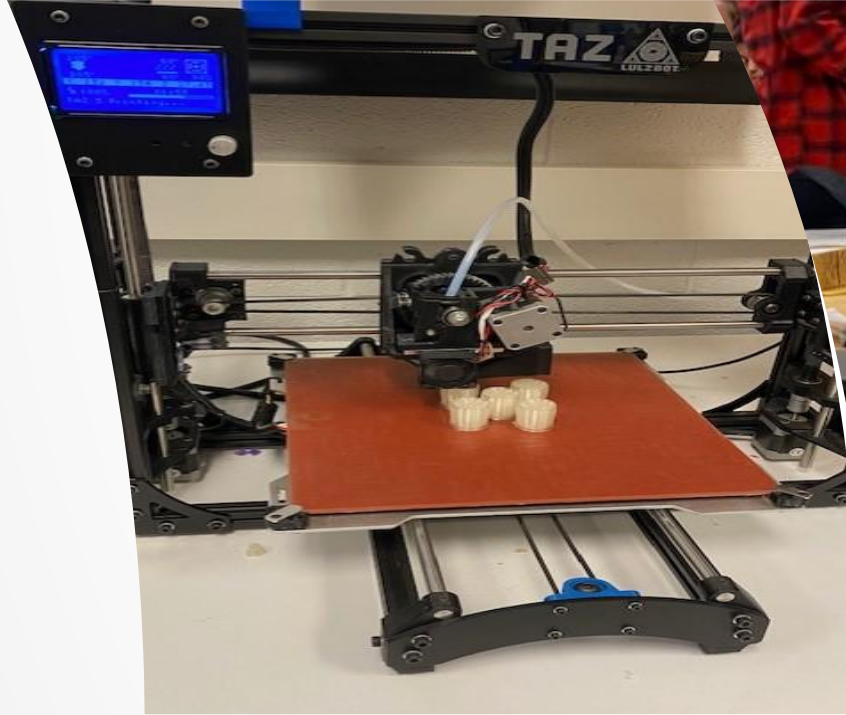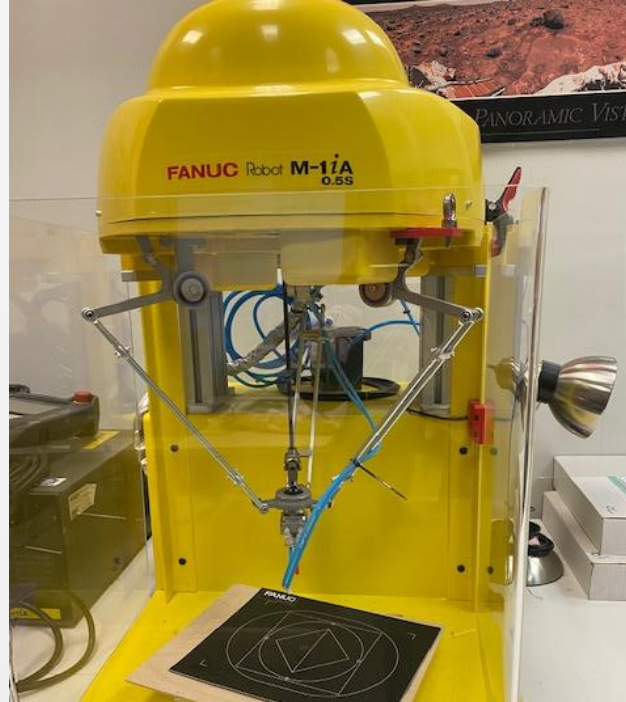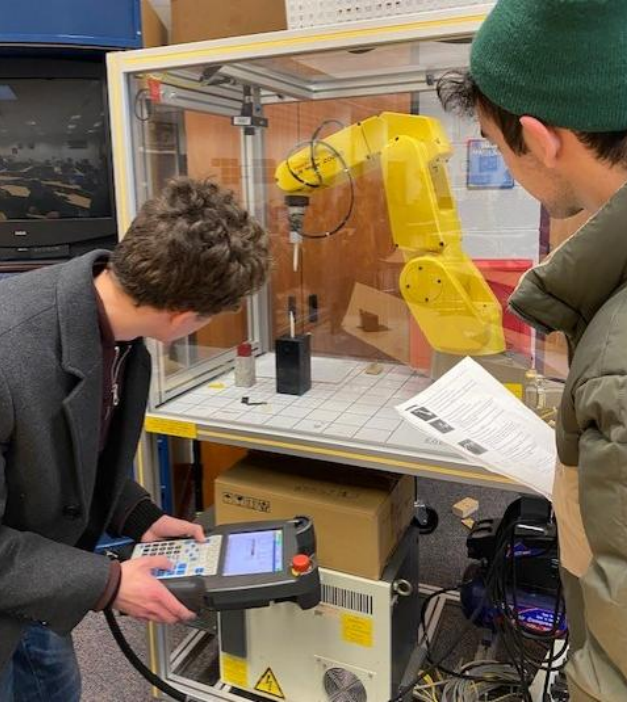
FANUC Certification

Graduates of the Mechatronics Engineering pathway will have the opportunity to earn a **FANUC Industry certification in Materials Handling**

SolidWorks Technical Certification

Students will have industry level competency that are integral to manufacturing throughout the country
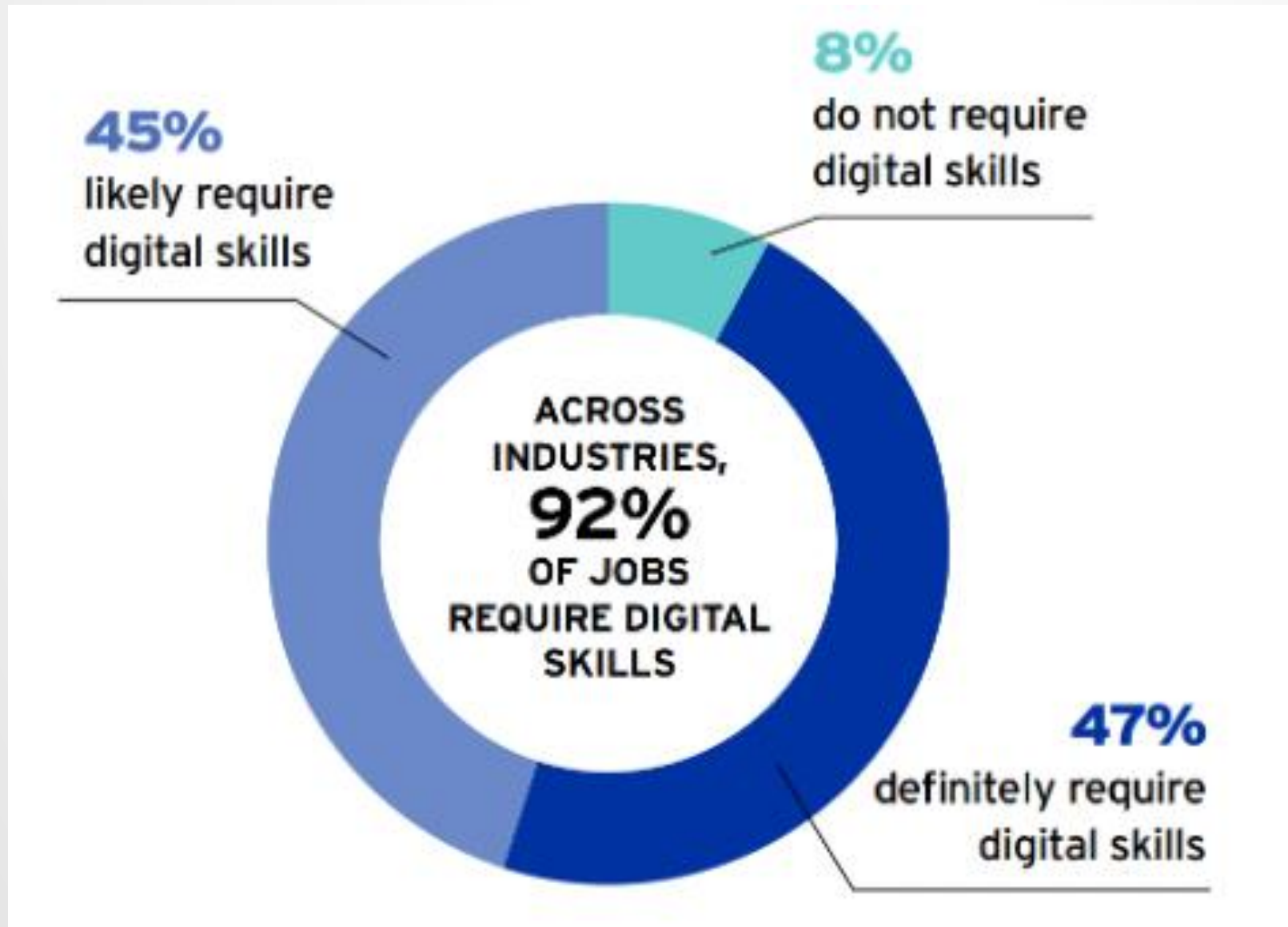
Multimedia Production

- Photography
- Filmmaking
- Screenwriting
- Sound Design
- Video Editing
- Digital Illustration
- 2D/3D Animation
- Drone Cinematography

Multimedia is everywhere!

Source: *"Closing the Digital Divide"* National Skills Coalition, 2023

Drone Technology

Senior year, students will have the opportunity to earn their **Part 107 Drone Pilot certification**

Information Technology Courses

10th Grade
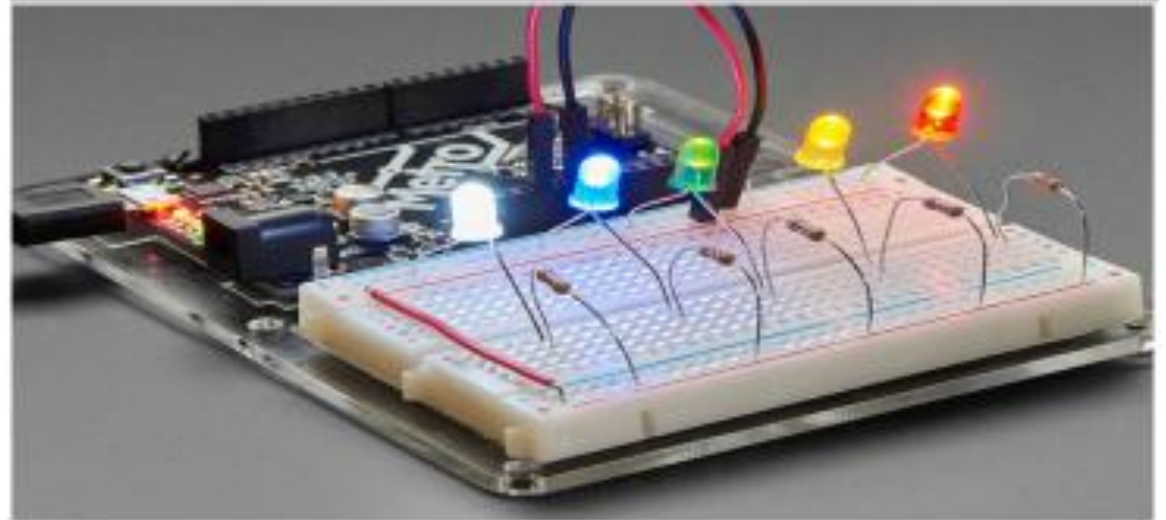IT Fundamentals

11th Grade
IT Applications

12th Grade
IT Game Design

IT Fundamentals

CompTIA Tech+ Certification

Arduino Programming

IT Applications

CompTIA Network+ Certification

- Cabling, Routers, Cloud Computing

CompTIA Security+ Certification

- Threats, Cybersecurity, Hacking

IT Game Design

Game Design Fundamentals

Game Planning

Game Art and Design

Programming in Game Engines

Sound and Music

Level Design

Game Testing

CSI Alumni

MARGARET MOONEY

PH.D. CANDIDATE NASA FELLOW

Bachelor's of Science in Engineering

MECHATRONICS
— Class of 2013 —

"CSI taught me to deal with complex problems you see in engineering and have the ability to collaborate with others outside of the engineering department on projects."

CSI Alumni

GRIFFIN SHERIDAN

COMIC BOOK WRITER

Employed by Image Comics

MULTIMEDIA
— Class of 2016 —

"My time at CSI profoundly laid the bedrock for several crucial skills I need as an independent writer: communication, accountability, and creativity."

CSI Alumni

CHRISTOPHER MARINELLO

APPLICATION SUPPORT AND PROGRAMMER

Employed by RCO Engineering

ENGINEERING
— Class of 2017 —

"The culture of CSI breeds a unique set of professionals that is hard to be matched anywhere else. Being a part of various projects throughout my years at CSI challenged me to think outside of the box and develop ideas that not only involve principles of engineering, but have a goal of providing solutions to real people."

Check out what a few of our graduates are doing!

Looking for more information?

How do I apply to CSI?

FOLLOW US!

csi_ucs

Utica Center for Science and Industry

- Apply on-line on the UCS website

- Application is open from - **December 5th – 19th** .

- We do **_not_** require completion of Algebra 1 prior to 9th grade

- ***Carefully consider which program is your first choice***