

# UTICA CENTER FOR SCIENCE AND INDUSTRY

## Program Overview

A half-day magnet program where students complete English and math requirements along with advanced coursework in the highly technical fields of mechatronics, engineering technology, or multimedia production. This program is very hands-on and collaborative. Students will participate in two cross-curricular projects each year of the program.

Freshman/Seniors attend in the morning 7:45-10:30 am while Sophomores/Juniors attend in the afternoon from 11:05-1:40 pm. Students will be bussed to/from their home schools to attend. Classes take place at the Joan C. Sergeant Instructional Resource Center located at 14201 Canal Rd, Sterling Heights, 48313.

Prior to Junior year, students will choose a pathway of either mechatronics, engineering technology, or multimedia production.

Mechatronics: this pathway explores the field of automated technologies. The various disciplines explored include: robotics, sensor technology, AC and DC electronics, pneumatics, programmable logic control, and computer logic. Students will receive hands on training using state-of-the-art trainers coupled with computer-based curriculum. The class contains numerous projects that integrate these various disciplines.

Engineering Technology: this pathway will increase students' knowledge of the different engineering disciplines. This course will introduce high school students to some of the tools and methods used by engineers in industry.

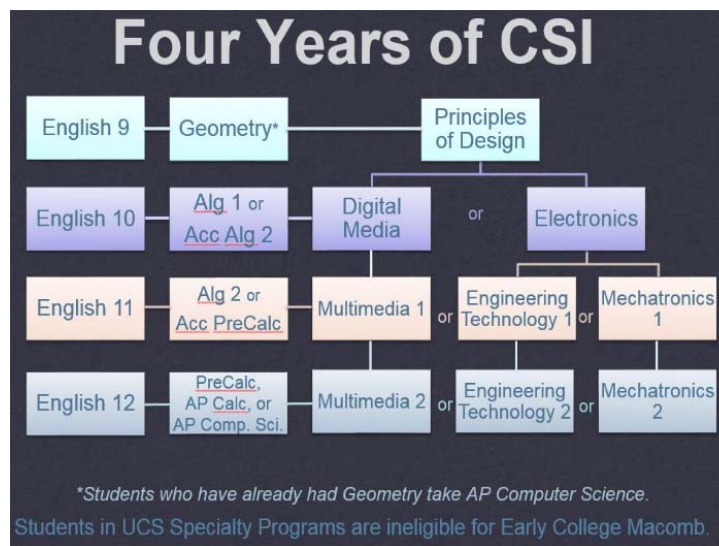
Multimedia Production: this pathway enhances technological skills in areas such as film production, graphic design, computer illustration, and multi-media. The skills learned in this class can also be the foundation for those who are interested in gaming design, fashion design, interior design, or animation programs in college. Units of study include elements and principles of design, digital photography, digital imagery manipulation, text design, digital print layout, computer illustration, film production, video graphics, visual effects, and DVD authoring for portfolio compilation. Students will use industry level software including Final Draft, Cinema4D, plus Adobe products such as Premier, Photoshop, Illustrator, InDesign, and After Effects.

## **What math will my student take if she/he has \_\_\_\_\_ in 8<sup>th</sup> grade?**

8 <sup>th</sup> grade math	CSI 9 <sup>th</sup> grade math	CSI 10 <sup>th</sup> grade math	CSI 11 <sup>th</sup> grade math	CSI 12 <sup>th</sup> grade math or math-related experience
Math 8	Geometry	Algebra I	Algebra II	Pre-calc, AP Computer Science, Mech II or MM II
Algebra I	Geometry	Acc Algebra II	Acc Pre-Calculus	AP Calculus AB, AP Computer Science, Mech II, or MM II
Geometry	AP Computer Science Principles	Acc Algebra II	Acc Pre-Calculus	AP Calculus AB, Mech II or MM II

*\*Mech II = Mechatronic II      MM II = Multimedia Production II*

## Four Years of CSI



### How Do I Apply to UCSI?

- Apply on-line at [uticak12.org/academics/specialtyprograms](http://uticak12.org/academics/specialtyprograms)
  - Paper copies of the application are available in junior high counseling offices
  - Application is open from Wednesday, February 5, 2020 at 4:00 p.m. through 11:59 pm Friday, Feb 14<sup>th</sup>.
  - Apply for, at most, two UCS Specialty Programs (UCMST, UCSI, UAIS/IB, Stevenson MADE)
  - Carefully consider which program is your first choice
- Choose one of two testing dates on your application to participate in a reading exam and a performance task
  - Saturday, February 29, 2020 at 8:00 a.m. or Saturday, March 7, 2020 at 11:00 a.m.
  - Testing location: Joan C. Sargent Instructional Resource Center, 14201 Canal Road, Sterling Heights, 48313
- Other admission considerations:
  - School attendance
  - PSAT 8 math score

### Need More Information?

- Follow us on Instagram, **ucs\_csi**, to get an idea of day to day happenings at CSI.
- Follow us on Facebook, **Utica Center for Science and Industry**
- Visit our website: <https://ucsi.uticak12.org/home>
- We'd love to invite your student to shadow a current student at CSI. Please request a shadow at <https://forms.gle/CboBbUU7tWKass1LA>
- Join us for an **informational meeting** on Thursday, January 23, 2020 at 6:30 pm. This meeting will take place at the Joan C. Sergeant Instructional Resource Center

### Additional Questions?

Please contact either:

Pete Paulon, Program Administrator, at [peter.paulon@uticak12.org](mailto:peter.paulon@uticak12.org) (586)797-6800

Courtney Struck, CSI Counselor, at [courtney.struck@uticak12.org](mailto:courtney.struck@uticak12.org) (586)797-6803