

# Sequoyah High School

## *Institutes and Pathways*

### The Institute of Industrial Manufacturing

Pathways:

- Machining Technology
- Electrical Systems
- Structural Systems
- Welding

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### Future Ready Institutes Highlights:

- ★ Small Learning Communities - Students will be a member of a smaller learning community, or “school within a school” containing students all with similar career interests.
- ★ Engaging Learning Opportunities - Students will be engaged in project based learning opportunities, hands on learning as well as instruction with real world connections around the career theme.
- ★ Business and Community Partnerships - Institutes will be connected to local business and community partners. These partnerships will allow for opportunities for students to learn from successful career professionals.
- ★ Post-Secondary Jumpstart - The institute will allow for students to obtain dual credit and dual enrollment opportunities. Also, students will have the opportunity to earn work ready credentials to give them an advantage for life after high school.

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### Sample Student Schedule for *Machining Technology/Welding/Electromechanical Tech*

#### Freshman Year

Algebra I  
English 9  
World History  
Ecology  
Wellness  
*Career Exploration*  
*Principles of Manufacturing*

#### Sophomore Year

Geometry  
English 10  
Biology  
Foreign Language  
PE / Personal Finance  
Fine Art  
*Choice (Machining I, Welding I, Intro to Electromechanical, Structural Systems I)*

#### Junior Year

Algebra II  
English 11  
US History  
Chemistry  
Foreign Language  
*Choice (Machining II, Welding II, Advanced Electromechanical, Structural Systems I)*

#### Senior Year

Bridge Math  
English 12  
Economics / Government  
Environmental Science  
Elective  
*Choice (Manufacturing Practicum, Construction Practicum)*

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### Contact Us

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