

Ooltewah High School

Institutes and Pathways

The Institute of Architecture & Engineering Design

Pathways:

- Architectural & Engineering Design

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.
 - **Industry Certifications Opportunities:**
 - AutoDesk Certified User in AutoCAD
 - Inventor (requires approval-approved for Engineering Tech & STEM App.)
 - Revit (requires state approval)
 - Certified SolidWorks Associate
 - **Dual Enrollment Opportunities:**
 - A&E 1 and A&E 2 are tested for Dual Credit with Chattanooga State for DD114.
 - Architectural & Engineering Design (4075)
 - **Careers included, but not limited to:**
 - Industrial Engineers
 - Civil Engineers
 - Mechanical Engineers
 - Engineers, All Other
 - Electrical and Electronic Engineering Technicians
 - Architects, Except Landscape and Naval
 - Electronics Engineers, Except Computer
 - Industrial Engineering Technicians
 - Environmental Engineers
 - Surveying and Mapping Technicians
 - Nuclear Engineers
 - Mechanical Engineering Technicians

Sample Student Schedule

Freshman Year

Algebra I
Biology
World History
English 9
Art - Digital Art/Fine Art
Level I class in POS
Wellness or Tech Time
Computer Applications

Personal Finance
Level II class in POS
Foreign Language

Aquatic Biology/4th Science
English 12
WBL - 2 credits

Sophomore Year

Junior Year

Algebra II
Chemistry or Physics
Government/Econ
English 11
Foreign Language II

Contact Us

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Geometry
Physical World Concepts
US History
English 10

Level III class in POS

Senior Year

Bridge Math