



ARCHITECTURE AND  
CONSTRUCTION CLUSTER

# HEAVY EQUIPMENT OPERATIONS PATHWAY

Students will gain foundational knowledge in construction including carpentry, plumbing, electrical, welding and HVAC. The pathway will focus and build on the concepts related to earthmoving as well as reading and using blueprints and specifications related to grading and grade calculations. The pathway provides specific knowledge and skills in operating and maintaining utility tractors and heavy equipment.

**PATHWAY COURSES**

- Industry Fundamentals and Occupational Safety
- Introduction to Heavy Equipment
- Heavy Equipment Operations I

**RECOMMENDED COURSES**

- Calculus
- Current Issues
- Literary Types/Composition
- Macroeconomics
- Microeconomics
- Oral/Written Communication
- Sociology
- Statistics

**POST-SECONDARY DEGREES, DIPLOMAS, AND CERTIFICATES**

**TECHNICAL COLLEGES**

- On-the-Job Training
- Military
- Special Purpose Schools
- State Registered Apprenticeships

**CAREER AND TECHNICAL STUDENT ORGANIZATIONS**



**TOP CAREER CHOICES**

**Heavy Equipment Operator**  
\$90,000 - \$100,000 annual salary

**Heavy Equipment Mechanic**  
\$45,000 - \$65,000 annual salary

**ADDITIONAL CAREER CHOICES**

- Heavy Equipment Service Technician
- Forklift Operator
- Backhoe and Dozer Operator
- Articulated Dump Truck Operator
- Pipe Layer



Source: GADOE Plans of Study

<http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Pages/Georgia-Career-Pathways-New-Rule.aspx>



Forsyth County Schools

**CAREER  
EXPLORATION  
& Pathway Discovery**  
CTAE Career Pathways / Fine Arts Pathways

- Alliance Academy for Innovation
- Denmark High School
- East Forsyth High School
- Forsyth Central High School
- Forsyth Virtual Academy
- Lambert High School