MANUFACTURING GEORGIA
POWERED BY GEORGIA MANUFACTURERS

CAREER UNIT · ONE CLASS PERIOD

Everybody needs humans, even robots.

What technicians do, what they earn in Georgia, and how to get started.



WHAT A TECHNICIAN ACTUALLY DOES

Technicians turn machines into things that work.

1. Install
2. Operate
3. Maintain
4. Troubleshoot
5. Repair
6. Test
7. Calibrate
8. Improve

Source: National Reference Guide for Technician Careers

FOUR ROLES GEORGIA PLANTS HIRE CONSTANTLY

Four roles. Overlapping skills. One door in.



Maintenance Technician

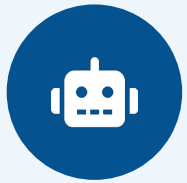
When a line goes down, you're who they call.

Most people come in here



Machinist Technician

You make the part that didn't exist this morning.



Robotics Technician

You set up the automation, program it, and keep it running.



Instrumentation & Control Technician

You read what the plant is telling you.

WHAT THEY PAY IN GEORGIA

Georgia medians. Not national averages.



Source: BLS OEWS, Georgia, May 2025

IS ANYONE HIRING?

~1,440

maintenance technician openings in Georgia, **every year.**

+20.2%
growth by 2034

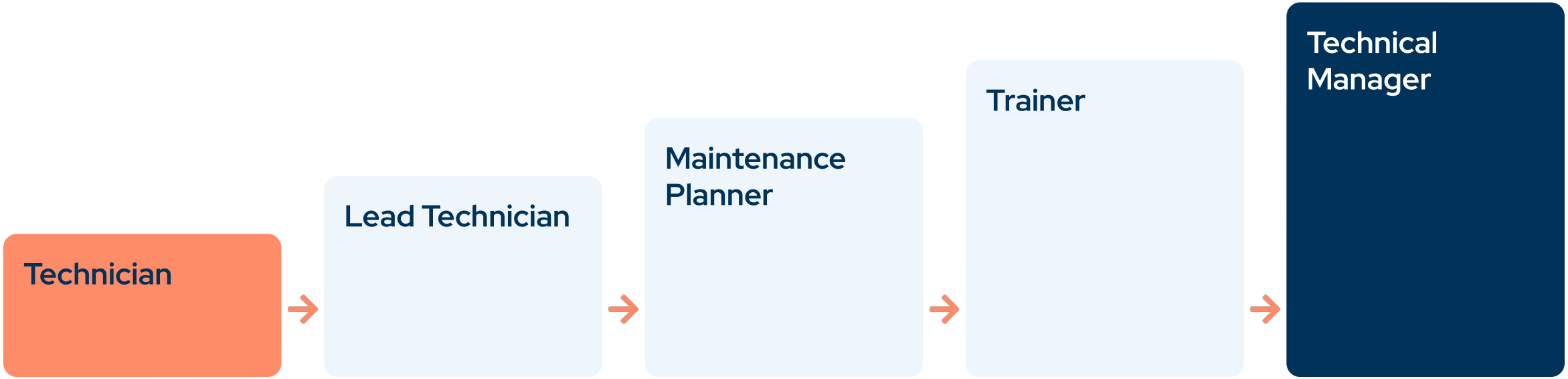
14,230
working in Georgia today

~28
openings a week, for one role

Sources: Georgia DOL 2024 to 2034 via Projections Central; BLS OEWS May 2025

THE LADDER

The first job isn't the last job.



And across: maintenance → robotics · controls · instrumentation

Source: National Reference Guide for Technician Careers

HOW YOU GET IN

A certificate or diploma from a Georgia technical college.

"Tuition-free means tuition. It doesn't mean everything."

Industrial Maintenance and Precision Manufacturing are on the HOPE Career Grant list, so tuition is covered for eligible students.

Students still pay fees and any required equipment.

Robotics and instrumentation programs aren't on the list. Check each college's costs.

Sources: Technical College System of Georgia; GAfutures

START BEFORE YOU GRADUATE

You don't have to wait until graduation.



Work-based learning

Real placements for students 16 and older in grades 11 and 12. Paid or unpaid, arranged through your school.



Youth apprenticeship

At least 720 hours of on-the-job training toward a postsecondary credential.



Dual enrollment

Start technical college courses while you're still in high school. Ask your counselor what your school offers.

Source: Georgia Work-Based Learning

ACTIVITY · DIAGNOSE THE LINE · 15 MINUTES

A packaging line just stopped. You're the technician.

The symptoms

- The conveyor stopped mid-shift. The motor is silent.
- The control panel shows a fault light.
- Operators say a box jammed right before it stopped.
- It stopped once last week too, and restarted after a reset.

Your job: in teams of 3 or 4, put these checks in order and explain why.

A **Clear the jam**	B **Lock out and tag out the power**
C **Read the fault code**	D **Check the jam sensor**
E **Reset and restart**	F **Log what you found**

YOUR NEXT STEP

Pick one. Do it this week.

1

Take the 10-question fit check

manufacturinggeorgia.org · no email needed

2

Look up one role

techniciansofamerica.com · National Technician Role Library

3

Ask about a plant tour or WBL placement

Your counselor or CTAE teacher