

**Transcript:** [Show 29 April 9, 2012](#)

Up next on ATETV, getting your career in the field of wind energy up to speed.

Electronics, hydraulics, and computer systems are all critical areas of study for a career in wind turbine operation and maintenance. A hands-on education provides industrial maintenance courses and specialized on-the-job training that the wind power industry demands.

We're trying to find out where the lubrication filter's are for the main barrier.

This program focuses on operations and maintenance and servicing of wind turbines. This 35-degree phase angle shift doesn't really give us the kind of torque that we like to see. The same skills that a person develops when they're solving math problems are the skills that are needed for trouble shooting and problem solving in a machine.

Students applying for the program have to be above an elementary algebra level to get into the program. The program kind of breaks down technically into mechanical and hydraulic systems. The biggest focus probably electrical -

This point and this point.

Industrial electrical controls, three-phase power, single-phase power, and motor control is very important.

Another 20 there.

There should be zero here.

This would be your pressure gauge for the pump itself.

They offer us a lot of opportunity on the technical side to get our hands on some stuff, and I love the hands on part of it because I learn so much better that way.

We have as many real-world components in our lab as we possibly can. We try to outline the courses based on what we have here for equipment.

Which side is the active flame?

Both of them.

Very good.

There is nothing that takes the place of actual real-world equipment when it comes to training a technician. It's nice to be able to walk into a place and say, yeah, I've already used that a hundred times.

Climbing a wind turbine day in and day out, I mean, it's a physical challenge. There is a comprehensive climb, safety, and rescue training program.

The goal is to provide students with the knowledge and confidence that they need to go out into this industry and be able to do the job.

Good. We're good.

The career futures for these students and their opportunities are tremendous.

For more information on anything you've seen today, explore our website at [atetv dot org](http://atetv.org).

Thanks for watching.