

Transcript: [Episode 22 / February 15, 2010](#)

Coming up next on ATETV, industry partnerships.

It's essential for the college to have external partnerships with industry in business because things are always changing.

Energy education.

We are looking for people who are interested in energy and energy conservation issues as a career.

And computer technology.

The computer field is expanding and it's just going to keep expanding, like you get in there, you should be set.

Now on ATETV.

From across the country to your own backyard, ATETV shows you the many advanced technological education opportunities available at your local community college.

Bristol Community College has partnered with leaders in the mechanical and environmental engineering industries to craft hands-on instructional programs. Let's take a look at how these programs gives students the skills they need to start high paying, high demand careers.

It's essential for the college to have external partnerships with industry and business because things are always changing. Our students are in this program to get a job.

We bring in people, speak with our students to let them know what type of careers are out there, what the requirements for that careers is. They know our students, they know our programs, and they know the quality of the work that our students can do.

When I started looking in to different fields with a lot of availability for work, there was more in water treatment technology than anything.

My instructor set me up with an internship at a desalination plant, state of the art plant, top of the line. It's \$80 million worth of equipment.

I like to work with students as interns first so that they get an opportunity to see how the operation is in a plant and I get an opportunity to see how they would work in a plant. You have to be knowledgeable about pumps and motors and pipes and fittings and things like that.

I like to have people that have a knowledge of the sciences, the program at Bristol Community College certainly has that.

A key piece of the community college and of the technical programs is we are required to have an industrial advisory board and their role is to come in on an annual basis, look at our curriculum and tell us do we have to update anything, are we creating the kinds of skills that are in need in

their employees today. You want to make sure that your students are well prepared for the job opportunities available, so having those partners are essential. We discuss what our programs are about, but mostly we listen. They find a weakness, we make sure that we are addressing it. They find a strength, we make sure that we continue doing things that way.

I like the program. I have worked with their students over a number of years, works very well especially in a setting like this, you have an opportunity to put some time in and get some experience and see if this is really what you want to do. It is a lot of opportunity for people that are interested in this type of work.

With continual input from industry partners, programs like the ones at Bristol Community College are successfully preparing their students for exciting and challenging job opportunities. For more information, be sure to visit your local community college for more on the engineering program they offer.

As businesses and home owners look to become more energy efficient, the demand for qualified energy technicians is soaring. We are going to look at one community college that is preparing their students to hit the ground running in the expanding field of energy conservation.

We are looking for people who are interested in energy and energy conservation issues as a career.

You will use that printout to demonstrate that your building is compliant to energy code.

At Sinclair Community College we are preparing students to enter into energy workforce, workplaces. Training these young people to do energy audits, to do first performance testing, to do green build issues is really where the future is right now.

The problem is not going to be a market, it is going to be having boots on the ground to service that market and that is where the community colleges come in.

This school is very good at preparing you for jobs immediately. Most students with a two-year degree typically go into the field of their choice and find a job.

Energy codes are becoming tighter and tighter every year because people are becoming much aware of how much energy can be saved by paying attention to energy efficiency, but what I see coming down the pike is where we do actual blower door tests or duck blaster tests to actually verify that performance of these houses and when that comes in to code, then that is just going to create numerous jobs for our students.

I am continuing my education and furthering my knowledge and going in to a field that is up and coming.

A lot of the energy industry is something that you can't outsource. No one is going to outsource doing the energy analysis on this house.

It has to be done right here, and on mechanical systems, their installation, their operation and their maintenance, that is something that can't be outsourced. If they really want to make money, this is where it is at because it is the future of the technology. Everybody on the planet is going to have to do it, you got to start somewhere.

There are so many areas that they can venture out into that if they have an interest in even just one of them, they will be able to make a nice living in the years to come. There is going to be more jobs available than are people to fill it, but that's what Sinclair is going to do.

Those students are getting the education they need to meet the growing demand for green technicians. If you are interested in finding out more about energy education programs near you, be sure to visit your local community college.

Are you thinking about changing careers, maybe have a love for computers, the students at the Springfield Technical Community College are learning the skills they need to become successful computer technicians. Take a look.

My name is Francisco Nofal, I am enrolled in computer IT security where I am trying to get my associates degree. Right now, I am now taking four classes, one is advanced security topics which is the class I am in now. I was looking at a lot of community colleges out there, this one is local and a great school especially in the computer field where they're up to date with all their technology. So, I thought this was probably the best bet for me and I think it is. If you are in this field, you can pretty much go anywhere. This field is one of the best fields to be and I believe they are in the top ten right now that are still rising.

A couple of years ago, I worked at Lego where I, you know drove forklifts, did a lot of inventory, basically in the distribution center. Business wasn't doing great so we got laid off from Lego came here. I was always into computers. I love it, still do. I saw the opportunity to come and get my degree. Coming back to school is definitely rough especially if you've got a family, kids. I have got a wife that's working, kids you know. I get a homework, they get homework, so I can't do mine when I get home. I have to wait, help them with theirs. It is pretty rough because my wife doesn't drive, so I have got to take her to work, drop my kids off to school, trying to get here on time.

You are going start setting up firewall rules on your router and firewall rules on your ISE server.

My wife, she knew the time that was going to be involved in this and she sees it as a great benefit because she knows the computer field is expanding and it is just going to keep expanding. If I can get in there, we should be set hopefully.

Francisco is working hard to achieve his goal of becoming a computer technician and he is taking advantage of the opportunities his community college has to offer. If you are interested in learning more about computer technology programs, be sure to visit your local community college and for more information on anything you have seen today, explore our website at ATETV.org.

Thanks for watching.