

**Transcript:** [Episode 21 / February 8, 2010](#)

Coming up next on ATETV, industry partnerships.

We couldn't exist without the technical college. They create the students that help us produce our product.

Process technology.

This is the same type of equipment that you see in refineries and chemical plants.

And simulation and game development.

Alright, so we are going to start off with lighting and shadows. We are going to be in chapter 10.

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.

Let's take a look how community colleges are partnering with leaders in industry to prepare their students for secure, high paying, technical careers.

The two year degree that I graduated with was electromechanical engineering technology. And with that I was able to find a great job, improve myself financially, and career-wise.

The two-year degree gets you the job and gets you in the workforce. We couldn't exist without the technical college. They create the students that help us produce our products.

I am an operator at the Robinson Fossil Plant.

I am a field service engineer for Welding Automation.

It is very important that we supply these industries with the workers that they need.

Graphic technician for Davis and Brown Engineering.

I am a technician at ESAB welding and cutting products.

I am a Region Service Coordinator with Progress Energy.

The technical college in this area and the industry involvement go hand in hand. We are partners.

Industry partners are valuable in helping you develop curriculum at the college. You discuss what it is that they need and how you can best meet those needs. What our graduates do is acclimate to the workforce much more readily. They come in ready to go, and that is the feedback we get from industry.

They are very well prepared, I think the tech system has some excellent curricula and teaching method.

We have a huge demand for the graduates especially in the engineering technology programs. These jobs can't be off shored.

Without their technology and without their training and without them partnering with each of the facilities that need their skilled help and their technical expertise, we would never be able to get where we are.

Working with business and industry that's a huge benefit to the ultimate employer. Getting that right match of skills with the jobs that are available in today's marketplace is critical.

There will be no way that I can just come out here and do what I am doing now at the level that I am at without going to technical college and getting the technical background. When I went to tech school, it really prepared me for the real world.

They don't come here to learn the job. They bring those skills with them.

That I was able to know enough to jump right in and handle it.

We are actively recruiting them right now. We can never get enough of them.

Community colleges offer technical programs that are designed with industry input and feedback. These tailor made courses help students to graduate with degrees that allow them to step right in to great jobs. If you want to find out more about starting a technical career, be sure to visit your local community college.

If you love math and science, but can't imagine working in the same office space day after day, it might be time to refine your career direction. We're going to College of the Mainland to see how process technology students are being educated for exciting and lucrative careers in the oil refining industry.

Grease is an oil with an additive.

This is the same type of equipment that you will see in refineries and chemical plants.

My name is Umair Virani. I am in the P-tech program at the College of Mainland in Texas City.

I graduated from the University of Houston with a bachelor of science in chemistry. With the chemistry degree I am more or less stuck in a lab, inside a building and closed room and that's it, that is pretty much it. No outdoors, no experiencing any real life events or anything else.

Ready to shut her down?

Yeah.

We are going to be shutting down the plant.

Stand by for instructions.

I plan on graduating from here and trying to get a job at a major oil refining company, work my way from the bottom.

I'd love to be at board operator. The pay is just amazing. One of the highest in the nation and that is a big attractive thing for me. I love math and science. And this is just the next step for me, just understanding what goes on in a refining industry, how stuff, how they make gasoline, plastics, that's what really interested me, but the main reason why I came to this program at the College of the Mainland is because I get a hands on feel for the industry, that is the main reason why I chose this.

Umair is getting real world hands on experience in the oil refining industry and he is on his way to a secure high paying career that will allow him to apply his math and science skills in the type of work environment he loves.

If you want to find out more about programs like this, be sure to visit your local community college.

The video game industry shows no signs of slowing down and the demand for simulation and game development technicians has never been higher. We are heading to Wake Technical Community College to see how they are preparing their students to get into the game.

Community colleges are all about preparing folks for the workforce. That is our primary mission, workforce development. So, we work very closely with industry representatives, advisory committees, and they really drive what we train individuals on, so when students are finished with us, they are ready to enter the workforce.

Alright, so we are going to start off with lighting and shadows. We are going to be in chapter 10. Pull up the house that you worked on earlier this semester.

The simulation and game development program at Wake Tech is trying to meet the local industry demand to train entry level technicians to work at the simulation and video game industry.

What about the side, did you get the side, all three of those side windows as well?

Yeah.

We have one of the video game hub in the United States, here right here in the research triangle park area which is right in our backyard. There are close to 40 companies working in the video game industry and they do need trained technicians for their expanding business.

What I have been most excited about in this program is beyond everything that I have learned about what it takes to get into a game and this that and the other is I have got to meet a lot of influential people through what we have done here at Web Tech, with the new speakers that we have brought in from different companies, everything else we get to hear firsthand accounts you know from industry professionals exactly what we need to be doing, what it takes and what they want to see when we get out of here.

Wake Tech's program is geared toward the local industry and is designed to put people to work in good high paying jobs as soon as possible. We keep in touch with the industry and in fact they have been telling us that they are waiting for our students to graduate. They are very excited about the program we have here.



Programs that are designed with industry input and support enable students to graduate with the type of skills that employers are looking for. If you are interested in turning your love of video games into a secure career, be sure to check out simulation and game development programs at your local community college.

And for more information on anything you have seen today, explore our website at [ATETV.org](http://ATETV.org).

Thanks for watching.