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Up next on ATE TV, converging your career path with the expanding world of Convergence Technology.

Convergence Technology is the merging of voice, data and video systems all in one platform. A degree in Convergence Technology is a great pathway toward a career that is both rewarding and secure.

Take the interface down and back up, process right.

What doesn't happen on a point to point link,

There is no DR and BDR, right?

A lot of the students have actually been exposed to a lot of the technologies, but they've never been exposed to the point at which these technologies come together; that's what the Convergence Technology Lab is about is the students go through various courses that show them different pieces of that technology.

It will go to the--

You have to understand basic computers before the rest of these thing makes sense and then you go through fundamentals of Internet-working, the routing and switching, and then they do a culminating course that shows them how all those technologies connect, then they progress to go into the convergence lab where they start seeing how those technologies come together.

That's still on the G-drive.

There's probably eight or ten courses of various types that you will take all related to networking and then convergent technologies. The students need to be strong in math. Information technology as we know it today, this is applied mathematics. They need those skills.

Some of the courses are recommended to have college level algebra as a prerequisite to come into the courses.

It should be zero here.

Any other technology exposure is fantastic. If students have an electronic background of any type or just computer background of any type, that's great. Luckily for us, the younger students have been exposed to technology all of their lives so they're what we

consider the digital native, so we see them picking up on things faster because of that exposure. And they did quite a few case studies, hands-on practical real-life application of all of these various technologies.

They have to work with teams, individually, solve problems, so we try to cover the whole gamut of what they would face in the real world and it's based on the technologies that they would face in the real world.

As more businesses move towards convergence technology, the job opportunities are continually expanding.

A degree in Convergence Technology provides you with more than just the technical know-how, but also helps you develop a wide range of interpersonal skills that will be critical in your career.

World convergence is bringing together your mobile devices such as your phone with your desktop services such as your email, your video conferencing, your audio conferencing, and other aspects of communications in general.

The jobs in this area are very attractive whether building a network, maintaining a network or troubleshooting a network. It's constantly changing. The more you have in hands-on labs, the more you've done in your own project studies, the better suited you are for those larger and higher paying jobs.

Whether you're helping a sales team or you're on the business end or whether you're actually going into the data centers and repairing equipment, there'll be challenges in your life every day.

Okay, let's start with a quick introduction on the different components of the technology.

As a demonstration engineer in the Customer Briefing Center, my job entails maintaining all of the technology in our facility as well as demonstrating the technology for customers.

Pushing that video to the display.

Customers leave here having a better understanding of our solutions and how they all integrate with one another.

One thing I love about my job is that it's ever changing, so I get to avoid the repetition of a day-to-day life and I'm always getting to try new things. As soon as a new technology is introduced within the company, I get my hands on it and get to learn the technology as soon as it comes out.

The IT skills are the foundation that gets you into the company, but with the collaboration and communication skills both orally and written. Those skills are just absolutely critical to be successful.

So, they come in a couple of different versions.

The job you're in today will probably be obsolete within a few years, but the good news is that there's a new job on the horizon in IT that will replace that.

We are positive that there will be more jobs available than we can fill. Everybody has a computer, everybody wants to be networked and connected, so there's always an opportunity.

For more information on anything you've seen today, explore our website at atetv.org.

Thanks for watching.