

7 THINGS YOU DIDN'T KNOW ABOUT ENGINEERING TECHNOLOGY

BY DEVRY UNIVERSITY

Technology is an exciting discipline that is embedded in many industries, and understanding cyber security or cloud computing can potentially help you grow in your role at work. But how can you get started building new skills and knowledge in a new discipline like tech? Here are seven things you'll want to know.

1. ENGINEERING TECHNOLOGY INVOLVES MATH, BUT NOT IN THE WAY MOST PEOPLE THINK.

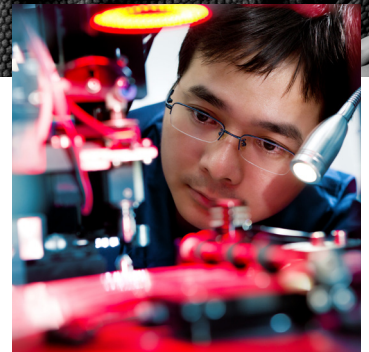
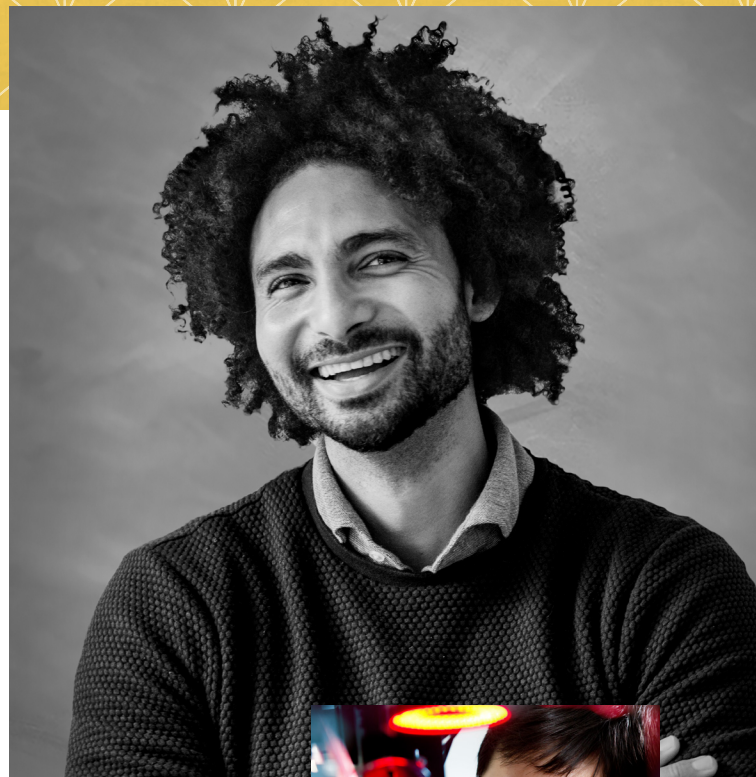
Engineering technology requires students to study conceptual physics and take two courses in applied calculus, rather than several courses focusing on rigorous calculation. So even though they're learning the calculus concepts, they're mostly only applying them to a system.

"Engineering technicians use math but not at the same intense, high level as an engineer," explained Suga N. Suganthan, National Faculty Chair in the College of Engineering and Information Sciences at DeVry University.

2. ENGINEERING TECHNICIANS AND ENGINEERS WORK HAND-IN-HAND.

Suganthan notes that engineering technology can offer the "best of both worlds" for someone who wants to learn high-level theory but still enjoy building, troubleshooting and working with hands-on technologies.

"An engineering degree emphasizes theory and design, while an engineering technology degree emphasizes hands-on application and implementation," said Natalie Waksmanski-Krynski, Professor



and Faculty Chair in the College of Engineering and Information Sciences at DeVry University. "In the engineering process, an engineer is responsible for the research, analysis and design while the engineering technician brings the concept to life."

3. YOU DON'T HAVE TO SPECIALIZE RIGHT AWAY.

If you're considering educational growth in engineering technology, and you don't know which specialization you want to pursue, try not to put too much pressure on yourself. The industry is constantly changing and there are often opportunities to transition from one set of responsibilities to the other.

4. YOU MAY NEED CERTIFICATIONS.

Your path to a position in engineering technology may require industry-wide certifications that companies recognize within engineering technology and its related specializations, such as computer engineering technology and electronics engineering technology.

DeVry helps make it easy for students in certain programs to pursue these certifications because preparation is built into the curriculum for select engineering technology courses.

DeVry may also help cover some of the costs for certification exams. Qualified students in select programs may receive up to a \$300 reimbursement for the cost of one exam attempt across a wide range of certifications such as Cisco Certified Network Associate (CCNA), CompTIA A+ Technician, Network+, Security+, IT Fundamentals+ and Microsoft Technology Associate.

5. YOUR EMPLOYER MAY ASK FOR A PORTFOLIO—EVEN FOR INTERNAL, ENTRY-LEVEL POSITIONS.

Because engineering technology is such a hands-on field, many companies desire applicants who can showcase their technical knowledge and understanding of engineering principles in a project portfolio.

That's why DeVry's engineering technology programs dive deeply into labs and project assignments from the moment students begin a new course. DeVry's Engineering Technology (ET) Undergraduate Certificate program provides students with solid foundational knowledge in information technology and system automation.

6. GET READY TO EXPLORE HARDWARE AND THE IOT.

From biomedical fields to automotive and manufacturing, if you plan to work in engineering technology, particularly within electronics engineering, then prepare to tinker with IoT hardware and a range of connected technologies.

7. TALK TO A MENTOR IN YOUR INDUSTRY.

Before selecting your degree program, be sure to at least speak to one professor, advisor or expert from the engineering technology field to make sure you have a chance to ask questions that specifically pertain to your engineering technology goals and interests.

To learn more about the education benefits available to you as an Edcor member, [click here](#). By DeVry University.

Through the education partnership between your organization and in conjunction with DeVry University, you have access to education benefits in support of your professional and life goals. To learn about transferring credits, tuition rate savings and more, contact your benefits manager or HR department for more details.

