LeTourneau University Engineering Technology

What is engineering technology?
How does it differ from engineering?

These questions can be answered by considering three areas: the **placement** of our engineering technology graduates, the characteristics of our engineering technology **program**, and the **practice** of engineering technology.

Placement

The job placement rate for our engineering technology graduates within 6 months of graduation has averaged 93% for the past 5 years.

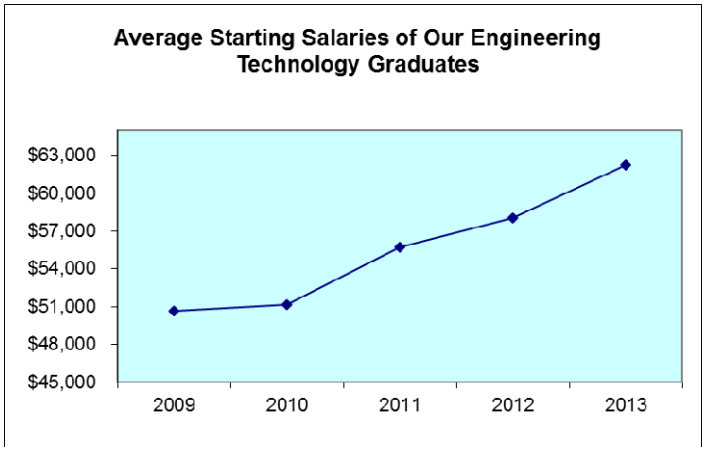
In the past several years the graduates of our engineering technology program have entered the workplace with the following typical job titles:

Job Titles of Our Engineering Technology Graduates			
Design Engineer	Sales Engineer	Welding Engineer	Mechanical Engineer
Engineer	Test Engineer	Project Engineer	Manufacturing Engineer
Associate Engineer	Applications Engineer	Technical Engineer	Plant Engineer

Companies hiring our graduates in the last several years include:

Employers of Our Engineering Technology Graduates		
AAON Coil Products	Dresser-Rand	SCFM Compression Systems
ATO Labs, Inc.	Ford Audio Video	Schlumberjer
BJ Process & Pipe Line Service	GE Aviation	STEMCO
BWX Technologies Inc.	JW Power Co.	Trane
Cessna	John Deere	Vertex RSI/General Dynamics
Chicago Bridge & Iron	National Oil Varco	Volvo Trucks North America
CRM Engineering	Rockwell Collins	Yamaha Motor Corp.

Overall, starting salaries of our graduates have increased over the last 5 years:



If our engineering technology graduates are hired as engineers by engineering companies that pay them engineering salaries, why do we offer both and engineering technology and engineering? It's a matter of focus.

Program

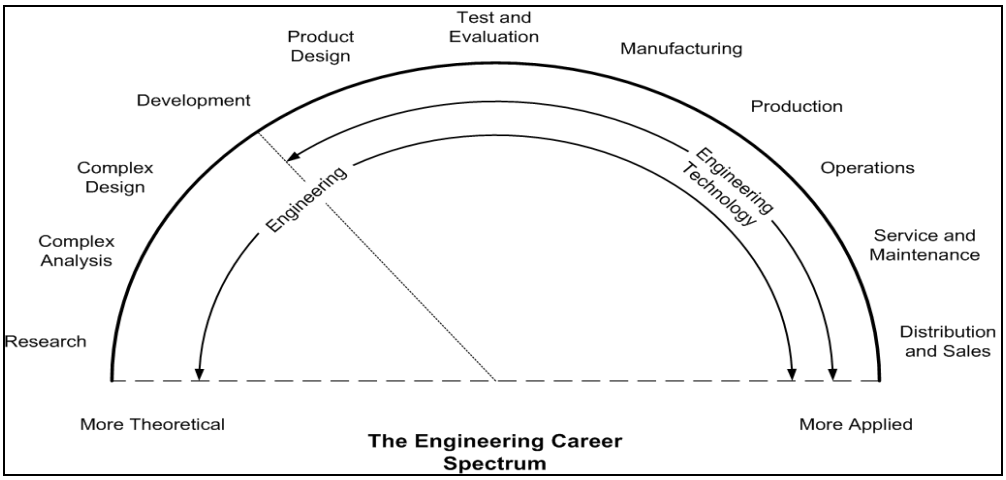
The primary focus of our engineering technology program is the application of engineering theory, whereas our engineering program is more focused on the development of engineering theory. Both programs are built on a base of mathematics and science, but the engineering technology program takes a more applications-based approach to learning rather than a theoretical approach. Some of the distinguishing characteristics of our engineering technology program include:

- Fewer high-level math courses are required, allowing for more technical courses.
- Technical courses occur earlier in the curriculum, since less math is needed to apply engineering principles than is needed to derive them.
- More time is spent in actual laboratory learning (up to 50% more than engineering in some concentrations).
- Students become proficient with the use of lab equipment that is used in industry.
- Lectures often look at actual real-world applications of the engineering principles being discussed.
- Data sheets are used to provide experience with real-world devices, materials, and vendors.
- All faculty members have many years of industrial experience.
- Engineering technology shares 8 common design/professional core courses with engineering.

Since the engineering technology program takes an applications-focused approach to student learning, just where do these graduates fit into the practice of engineering and technology?

Practice

The figure below illustrates that engineering technology graduates typically occupy careers in industry that tend to be more on the applied side of engineering.



The Engineering Career Spectrum

Conclusion

LeTourneau University's Engineering Technology program has a proven track record of producing graduates that are in high demand by major engineering companies. Our program employs a "learn through applications" approach to education in order to prepare graduates to enter their careers on the applied side of the engineering career spectrum.

In order to best serve your specific interests, we offer five concentrations within the engineering technology program: Aeronautical-Electrical, Aeronautical-Mechanical, Electrical, Materials Joining, and Mechanical. For more information about these concentrations as well as information regarding our faculty, facilities, and courses, see our webpage at ***http://www.letu.edu/engineering-tech***

Updated: 7/30/15