

## **Electrical/ Electronic Engineering Technology: Solar Energy**

### **Associate of Applied Science Degree**

#### **Program Overview:**

Graduates of the Solar Energy Technology concentration will possess the knowledge, skills, and abilities to make an intelligent entry into the solar power producing industry. Students will have the ability and knowledge to install photovoltaic solar systems according to National Electrical Code.

#### **How Much Can I Earn?**

37,500 - \$125,700

\*wages and salary data provided by the Bureau of Labor Statistics, Tennessee Department of Labor

#### **What Will I Do On The Job?**

Perform site-specific engineering analysis or evaluation of energy efficiency and solar projects involving residential, commercial, or industrial customers. Design solar domestic hot water and space heating systems for new and existing structures, applying knowledge of structural energy requirements, local climates, solar technology, and thermodynamics.

#### **What Skills Will I Use On The Job?**

Skills needed for this job are reading comprehension, critical thinking, active listening, complex problem solving, monitoring, speaking, writing, active learning, judgment and decision making, mathematics, using mathematics to solve problems.

#### **Possible Job Titles:**

Materials Engineer, Chemical Engineer, Electrical Engineer, Industrial Engineer, Mechanical Engineer, Computer Software Developer, Engineering Technician

#### **Who Will Hire Me?**

Graduates can find employment opportunities with public utilities, architectural and engineering consultants, energy management companies, heating and cooling contractors and alternative energy system manufacturers, contractors and retailers.

#### **Need More Information?**

[www.bls.gov](http://www.bls.gov) ▪ [tcids.tbr.edu/index.html](http://tcids.tbr.edu/index.html)

#### **Career Services & Counseling Center**

Student Center Room 137 ▪ 423-697-4421