



**APPLICATION FOR ADMISSION  
AM STEM: ADVANCED MANUFACTURING TECHNOLOGY  
DIXIE APPLIED TECHNOLOGY COLLEGE**

**FULL NAME:** \_\_\_\_\_

**DATE OF BIRTH:** \_\_\_\_\_ **SOCIAL SECURITY:** \_\_\_\_\_

**CELL PHONE:** \_\_\_\_\_ **HOME PHONE:** \_\_\_\_\_

**MAILING ADDRESS: STREET:** \_\_\_\_\_

**CITY:** \_\_\_\_\_ **STATE:** \_\_\_\_\_ **ZIP:** \_\_\_\_\_

**STUDENT EMAIL ADDRESS:** \_\_\_\_\_

**HIGH SCHOOL:** \_\_\_\_\_

**YEAR IN SCHOOL AS OF AUGUST 2016:** \_\_\_\_\_

**PARENT/GUARDIAN NAME:** \_\_\_\_\_

**PARENT/GUARDIAN CELL PHONE:** \_\_\_\_\_ **EMAIL:** \_\_\_\_\_

**PARENT/GUARDIAN SIGNATURE:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

**STUDENT SIGNATURE:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

***YOUR APPLICATION MUST INCLUDE:***

- Completed application
- Essay (300 - 500 words) titled "Why Advanced Manufacturing is for me"
- Letter of Recommendation

*Please return Application to [StudentSuccess@dxatc.edu](mailto:StudentSuccess@dxatc.edu)  
or Dixie Applied Technology College  
1506 S. Silicon Way St. George, UT. 84770*



### **What is AM STEM – Advanced Manufacturing?**

AM STEM is a morning opportunity to elevate student learning and prepare a new generation for exciting careers in the high tech world of today's Manufacturing industries. Students will actually apply science, technology, engineering and math to open a vast world of possibilities, as they learn to make, fix, design, and automate really cool things. Industry partners drive curriculum, take an active role in the classroom, and provide paid summer internships to students who prove themselves. Rise and Shine!

### **Who can Apply?**

Curious, Interested, Motivated High School Seniors.

### **Where do I Attend?**

Dixie Applied Technology College

### **When does class Start?**

Class starts day one of your Senior Year.

**Attend from 7:00 – 9:00 am daily to jump start your future.**

### **What will I learn?**

- 1<sup>st</sup> Quarter: How to Make Things**  
OSHA, HAZWOPER, Manufacturing Processes
- 2<sup>nd</sup> Quarter: How to Fix Things**  
Hydraulics, Pneumatics, Electronics
- 3<sup>rd</sup> Quarter: How to Make New Things**  
Solid Works, 3-D Prototyping, CNC Machining
- 4<sup>th</sup> Quarter: How to Automate Things**  
PLC's, Robotics, Drones
- \*Internship: How to Lead People & Manage Things**  
Critical Thinking, Leadership, Lean Six Sigma

\*Students who demonstrate competencies throughout the year are eligible for paid summer internships.

### **How does it Work?**

**For AM STEM Advanced Manufacturing High School Students, DXATC covers tuition of \$1800. Industry partners have committed to sponsor a limited number of students and cover fees of \$1025. Applicants will be vetted by a committee of industry partners and DXATC faculty to award sponsorships. Non-sponsored students will be responsible to pay their fees by August 1st to be eligible to participate. Payment plan options are available, but you must contact Student Services prior to August 1<sup>st</sup>, 2016.**