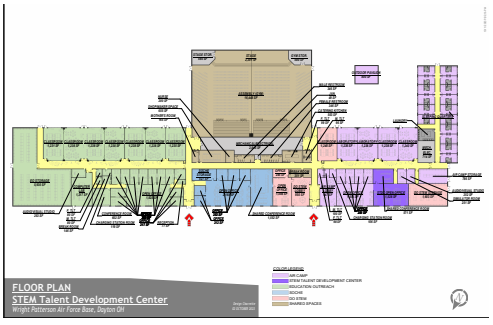
STEM Talent Development Complex - STEM TDC

With a focus towards inspiring the nation's next generation of scientists, engineers and technical workforce, the Wright-Patterson Educational Outreach (EO) Office and Air Camp leadership have been advocating to build a STEM Talent Development Complex. This facility will house the EO Office, Air Camp and a small group of regional STEM organizations focused on education and workforce development. As we look to the future workforce needs, the data underscores the magnitude of talent needed to support the demand for jobs, projected at around 20,000 per year for the foreseeable future, across the Dayton region. This figure is in addition to an existing pool of nearly 30,000 unfilled vacancies that require annual replenishment. Many of these in-demand positions call for specific certificates, stackable credentials, or an associate degree to secure a sustainable wage job. These certificates and credentials can be attained within a relatively short period, typically within 4 to 6 months, enabling individuals to start working while continuing their skill development through credential or associate degree programs.

A dedicated site has been proposed and agreements between the Air Force and STEM TDC entity are being developed. The STEM TDC will be sited on 16 acres through a 50 year, no cost lease with access from Springfield Street between the entrance to WPAFB Area B and the NMUSAF. Air Force Materiel Command, Air Force Lifecycle Management Center, Air Force Research Laboratory, National Museum of the United States Air Force, and the 88th Air Base Wing support this initiative.

The STEM Talent Development Complex will serve as a hub for networking and collaboration among students, educators, government, industry professionals, and researchers. It will be capable of hosting events, conferences, workshops, and industry partnerships, facilitating connections and knowledge-sharing. The Complex will also allow for the expansion of our program offerings and student capacity. The STEM TDC is a long-term investment in the future and signifies a commitment to fostering a sustainable pipeline of talent in STEM fields by equipping individuals with the skills needed for future job opportunities.

The design creates an open, collaborative environment with large, flexible classrooms open to each other with sound-rated, operable partitions. The Complex consists of one building with a total of 90,750 sq-ft. Excluding the land cost and program specific costs, $30.2M is needed to build the facilities as described and rendered above.



The STEM TDC will consolidate a truly remarkable capability under one roof and guarantees the delivery of unique and engaging STEM learning experiences for decades to come by implementation of the collective impact model that will substantially increase our future STEM based workforce. The STEM Talent Development Complex will become a national icon that further solidifies our region as the Birthplace, Home, and Future of Aerospace.