MID-AMERICA
science park

TRAINING & RESEARCH CENTER

RESOURCES

The Mid-America Science Park (MASP) is one of the most versatile science parks in the country. MASP houses a comprehensive set of services and amenities in three interconnected focus areas, the Training and Research Center, the Business Incubation and Acceleration Center and the Worldwide Communication and Conference Center. Students, researchers and educators may utilize resources in all three focus areas.

CORE COMPETENCIES

- Life Sciences
- Military Applications
- Optical Engineering
- Green Energy
- Advanced Manufacturing

A WINNING COMBINATION

MASP supports students and researchers of all ages as well as educators through a winning combination of state-of-the-art facilities, services, expert staff and amenities. Its wide-reaching partnerships with schools and universities encourage new learning opportunities and enable expanded curricula.

Whether attending one of the certification programs or participating in professional development, MASP has opportunities for advancement in a variety of exciting industries and specialties, including green energy, green building and advanced manufacturing.

EDUCATIONAL PARTNERSHIPS

MASP offers high school students the opportunity to familiarize themselves with the exciting Science, Technology, Engineering and Math (STEM) career opportunities available in Scottsburg, Ind. Organized events allow students to tour the facility and observe tech entrepreneurs as they work with complex and engaging pieces of equipment such as the prototype printer and water jet cutting system.

TRAINING & CERTIFICATION PROGRAMS

More than $1 million in Amatrol equipment along with state-of-the-art classroom and virtual instruction provide students with an exciting environment for successful learning.

MASP generates green energy through photovoltaic panels, solar thermal applications and wind turbines. In addition to providing energy to the park, these convenient and progressive systems are available for research and training use.

ADVANCED MANUFACTURING TRAINING

Students participating in MASP's advanced manufacturing training may earn the production technician certification (PTC), awarded by the Manufacturing Skill Standards Council (MSSC). This certification is industry-recognized and indicates to employers across manufacturing sectors that production workers possess the knowledge and flexibility to adjust to technological change. PTC holders acquire skills in safety, quality practices and management, manufacturing processes and production and maintenance awareness.

GREEN ENERGY TRAINING

MASP's energy programs focus on solar technology, connecting participants with the knowledge and skills needed to install and maintain photovoltaic and solar thermal systems. Students gain skills ranging from hands-on electrical and plumbing expertise to the solar knowledge that facilitates basic operation and troubleshooting of these renewable energy systems.

GREEN BUILDING TRAINING

The green building programs include energy auditing, weatherization and LEED green associate training. Energy auditing and weatherization programs familiarize students with the fundamentals of energy systems within a home, common construction errors that reduce efficiency, weatherization techniques and the energy auditing process. Coursework includes classroom and field training using relevant analysis tools. LEED Green Associate Training offers workers across the construction industry the opportunity to improve their understanding of LEED building certification requirements.

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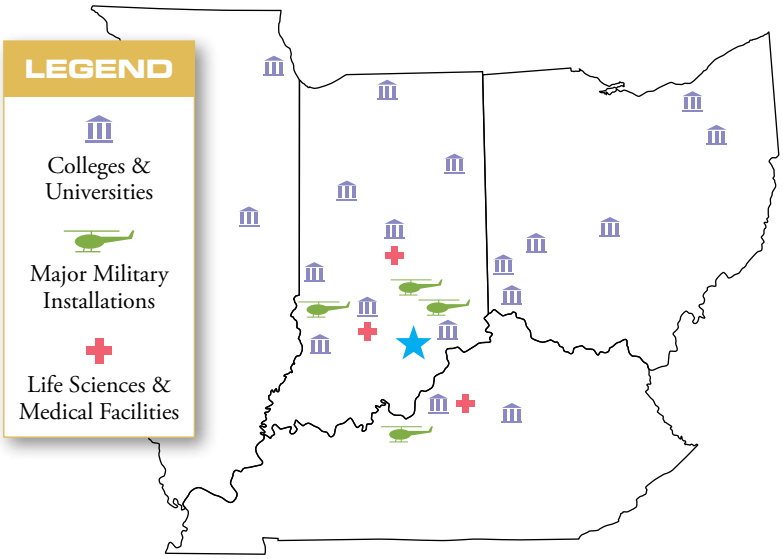
COLLABORATION WITH UNIVERSITIES & SCHOOLS



STRATEGIC COLLABORATION

MASP collaborates with regional colleges and universities to provide first-class instruction as well as virtual classrooms, presenting the best possible education programs in the Midwest. Classroom, online and remote teaching and training opportunities with MASP partners create new possibilities for optimum learning. Virtual collaboration with universities and other organizations also enhance research and working conditions.

INTERNSHIPS

Students may benefit from interning within incubator and accelerator companies, gaining valuable insight in research and new technologies while providing support to entrepreneurs — a win-win situation.

FACILITIES & AMENITIES

SPACE
- 112,000 square feet of campus buildings
- Multiple classrooms
- Meeting space for four to 120 people
- Full kitchen and break rooms
- 36 customizable wet/dry labs
- Office space to complement labs
- 12 acres for outdoor experiments and programming
- 19 acres available for expansion
- Two secure rooms

TECHNOLOGY
- Advanced computing
- $1 million Amatrol training equipment
- Mach 3 water jet cutting system
- Connex500 3D printing system
- Fully equipped machine shop

COMMUNICATION
- Audiovisual learning and presentation tools
- Global audio and video conferencing capabilities
- WIFI and hardwired internet access
- Computer lab equipped with 24 computers

NETWORK OF PROFESSIONAL INSTRUCTORS

"Jobs in manufacturing are critical for Indiana's economy. MSSC sanctioned training in advanced manufacturing prepares students for the increasing demands of the latest, often robotics dominated, production environment. Qualified workers are more marketable and able to find better and higher paying jobs."

Kyle Robbins
MSSC Instructor