



EQUIP SERVICES TRANSFORMING CENTRAL ARIZONA COLLEGE FOR FUTURE CAREERS

The Allied Health and Skilled Trade Center at Central Arizona College's (CAC) Superstition Mountain Campus project highlights McCarthy Building Companies, Inc. (McCarthy) pivotal end-to-end equipment planning, design, procurement, and installation services.

This \$44M project, with a \$2.8M equipment component, featuring over 595 pieces of state-of-the-art equipment through the EQUIP team's collaboration, spans 51,620 square feet of cutting-edge simulation labs and hands-on training spaces, and sustainability-focused designs, created to prepare students for in-demand careers in healthcare and skilled trades.

The Allied Health building provides integrated learning classrooms and labs for massage therapy, pharmacy, phlebotomy, medical assistant, aesthetician, nursing assistant, radiology and sonography. The state-of-the-art facility replicates realistic healthcare environments, including hospital and operating rooms, and clinical settings equipped with advanced simulation technologies such as computerized patient simulators, high-fidelity mannequins and more.

The Skilled Trades Center provides classrooms, labs, and exterior yards for the current electrical, plumbing, ceramics, and creative arts programming. Workshops mimic real-world work environments that enable students to develop industry-specific skills and practical experience.

Through early collaboration and deep technical expertise, EQUIP helped integrate advanced, accreditation-ready equipment that supports a world-class learning environment. The team worked closely with stakeholders from the earliest design phases to ensure equipment selections met accreditation standards, spatial requirements, Mechanical, Electrical, and Plumbing infrastructure, and operational needs.

Working with academic leadership and department heads in radiology, pharmacy, massage, and arts, EQUIP conducted detailed planning meetings to understand specific equipment requirements.

PROJECT OVERVIEW

Central Arizona College – Allied Health & Skilled Trade Center

**Superstition Mountain Campus
| Apache Junction, AZ**

- \$44.7M project value
- \$2.8M equipment component
- 51,620sqft
- 595 pieces of equipment
- 50 purchase orders through 35 vendors
- <0.05% in change orders

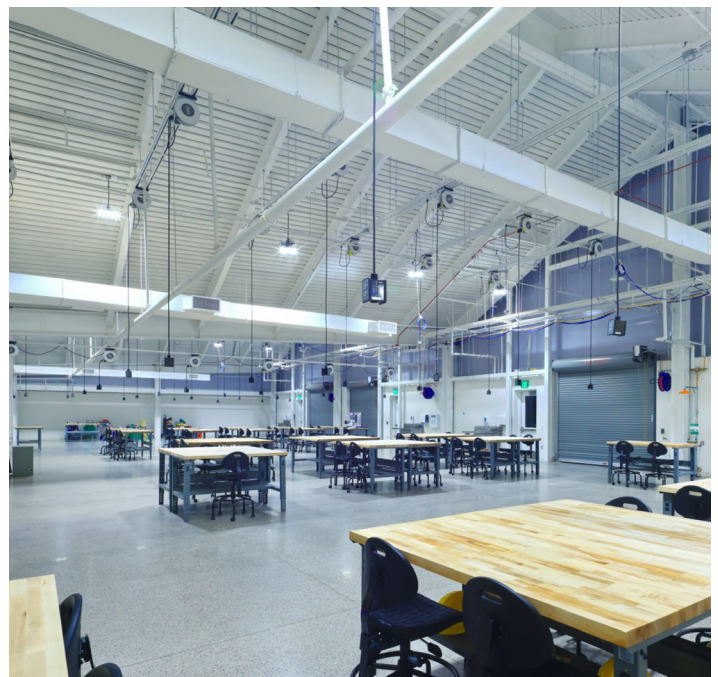
These space determination and design (SDD) meetings allowed the team to place equipment in rooms, validate technical specifications, and coordinate closely with our design partners. Leveraging Building Information Modeling (BIM) technology, they designed medical and technical equipment in 3D, enabling real-time visualization and coordination with designers.

Beyond procurement, EQUIP played a key role in logistics, including self-performing installation and overseeing the relocation of existing assets from multiple locations. By proactively addressing spatial, technical, and regulatory challenges from the outset, EQUIP helped CAC stay on track to fulfill its vision of workforce preparation while promoting regional economic growth.

- **Expert Planning & Design:** Collaborated with architects and stakeholders to procure specialized medical and technical equipment compliant with accreditation standards.
- **Supply Chain Management:** Early coordination to mitigate the impact of long lead times for key equipment, including a kiln with a 35-week delivery timeline.
- **Streamlined Logistics:** Warehousing partnerships and self-perform services enabled equipment moves, storage, and deliveries from multiple locations, aligned with precise installation schedules.
- **Innovative Problem-Solving:** Designed solutions for challenges, such as fire safety concerns for high-temperature equipment, through direct manufacturer collaboration.
- **Regulatory Compliance:** Coordinated physicist testing, state certifications, and accreditation reviews for X-ray and pharmacy equipment.

“The space is beautiful, and the programs are so pleased with the equipment that was purchased. Thank you, [McCarthy EQUIP Services, Project Manager] Chris and Team, for such an exceptional customer experience. I truly appreciate the time and effort you put into creating a world-class learning environment for Central Arizona Colleges students.”

— Tina Berry, Academic Dean, Central Arizona





CHALLENGE

With a tight 35-week timeline, the project required coordinating over 595 pieces of specialized medical and training equipment, such as X-ray machines and kilns, and aligning procurement with construction to avoid scheduling and budgeting risks.

SOLUTION

To ensure timely delivery, we implemented a proactive equipment management strategy. Using an off-site warehouse, the team inspected all equipment before delivery, resolving over 50 issues and thereby preventing costly delays. Organizing equipment by location and aligning with the construction team facilitated just-in-time delivery. The planning, design, and procurement expertise required to successfully deliver this turn-key project spanned medical, education, and fine arts markets.

RESULTS

- **Reduced Project Risk:** Achieved a 95% installation success rate with only 31 minor punch list items.
- **Schedule Certainty:** Delivered on time, maintaining coordination between construction and equipment deployment.
- **Budget Reliability:** One minimal change order (<0.05% of total equipment cost), effectively controlling unexpected expenses.
- **Seamless Execution:** The EQUIP Services team dedicated over 700 procurement hours, alleviating client workload and administrative tasks.

