

## **Twelve Architecture-Construction HS Grads Now at Kent State**

<http://www.acmsite.com/>

Yes, count them -- twelve of Dan Keiser's Architecture Construction program graduates are now enrolled at Kent State University. And one of these alumni, Jake Kendrix, has a Fulbright Scholarship. Not only are these Tech Prep college students well on their way to excellent careers, they are giving back to their former high school program by acting as senior project mentors for current seniors in the program at Gahanna Lincoln High School.

Tech Prep teacher Dan Keiser is planning a field trip for his class to Kent State this spring, during which the consortium hopes to get interviews and pictures, and learn more about how College Tech Prep has truly served the "college" part of its mission for these ambitious future architects. The Architecture Construction program at GLHS is a satellite program of the Eastland-Fairfield Career & Technical Schools.

[http://eastland-fairfield.com/register\\_main.aspx](http://eastland-fairfield.com/register_main.aspx)

### Program overview

The Architecture & Construction Management Tech Prep program is a two-year commitment designed to develop and prepare juniors and seniors to pursue a career in the various fields of the design and construction industry. There is an academic focus on integrated education, having a math and science component as part of each year of the program. Our computer lab is equipped with current technology, and there is an emphasis on utilizing this technology to the fullest potential.

The program is offered by Eastland-Fairfield Career and Technical Schools and is housed at the satellite location at Gahanna Lincoln High School. There are 24 junior openings available each year, and students are drawn from 16 high schools in the East and Southeast portions of Columbus. Students will also be involved in the following:

- Explore fields of architecture and engineering
- Paid employment (early job experience)
- Field trips to Columbus State, University of Cincinnati, The Ohio State University and the
- "Falling Water" home designed by architect Frank Lloyd Wright
- Competitive leadership events in SkillsUSA

### Career opportunities

Architecture & Construction Management is a school-to-college program that provides students with a broad-based knowledge of the industry. Most students will go on to some type of post-secondary education, whether it is a two-year or a four-year college or university. There are many career paths and educational opportunities through this program such as shadowing, mentoring, summer internships and post-secondary options at local colleges. Various certificates, diplomas and degrees are available in this cluster. Drafting Technology is a two year Associate of Applied Science program for students interested in working as a Computer Aided Design drafter with planners, architects, engineers, and contractors. Landscape Architecture (BS, BSLA, BLA) is a program that prepares individuals for the independent professional practice of landscape architecture and research in various aspects of the field. Kent State University offers degree programs that are required for those students preparing for the architectural profession and who plan to become registered architects. <http://www.caed.kent.edu/Academic/ARCH/Arch.html>

### Competencies

- Computer-Aided Design Drafting
- Specifications
- Architectural Drafting
- Contract Documents
- Material Selection
- Model Building

Curriculum highlights: Commercial drafting and design, Construction methods, design & materials, Computer-aided drafting skills, AutoCAD 2006 & Form (3D), "Real-world" projects, Electrical/mechanical systems, Elevations/wall sections/framing, Model building, Space planning and design, Surveying (civil

engineering related), and a Senior portfolio. The American Design Drafting Association (ADDA) has an industry certification program for drafters and the American Institute of Constructors (AIC) and the Construction Management Association of America (CMAA) have certification programs for construction managers. The National Council of Architectural Registration Boards (NCARB) provides the Architect Registration Examination (ARE) to students who have participated in a three year professional practice internship and are qualified to take the exam.

Our graduates are pursuing careers in: Architecture, Engineering, Landscape Architecture, Interior Design and Construction Management.

Potential Earnings:

Drafter: \$24,570–\$56,260

Commercial/Industrial Designer: \$28,820–\$82,130

Architects: \$36,280–\$92,350

Source: Occupational Outlook Handbook, U.S. Department of Labor, Bureau of Labor Statistics, 2006-07

Students from 16 high schools in the East and Southeast portions of Columbus come together to pursue a greater understanding of the design and construction industry. Our students have a great desire to learn about the subject matter, and have consistently produced outstanding work.

Other Career Cluster offerings in Ohio: <http://www.csc.edu/techprep/construction.htm>