

## •• ASSOCIATE IN TECHNOLOGY DEGREE ••

SPECIALIZATION:

# ARCHITECTURAL TECHNOLOGY

### What Is An Architectural Technician?

The architectural technician must be a highly trained individual who is able to think, read, and speak in terms of the architectural profession. He must develop an imaginative and creative background based on highly technical information so that new building designs and techniques may be added to his educational background. He must be able to translate the ideas of the architectural designer, structural engineer, mechanical engineer, and electrical engineer into the working drawings in a clear, concise manner which convey to the builder the precise concept of the architect.

### Career Opportunities

Graduates of the architectural technology program are primarily trained for employment with professional architectural organizations. However, many of the graduates find their way into lucrative fields indirectly related to architecture and the construction industry, including such professions and specializations as the following:

- Building Material Sales Representative
- Building Inspector
- Interior Designer
- Product Designer
- Construction Cost Estimator

### Training In Architectural Technology

Although a good general high school background with a high scholastic record is considered adequate for admission to the program, a strong preparation in mathematics, basic sciences, and the arts are requisites to success in this technical field. Those interested in this program are urged to secure this at the secondary level.

### The Architectural Technology Program

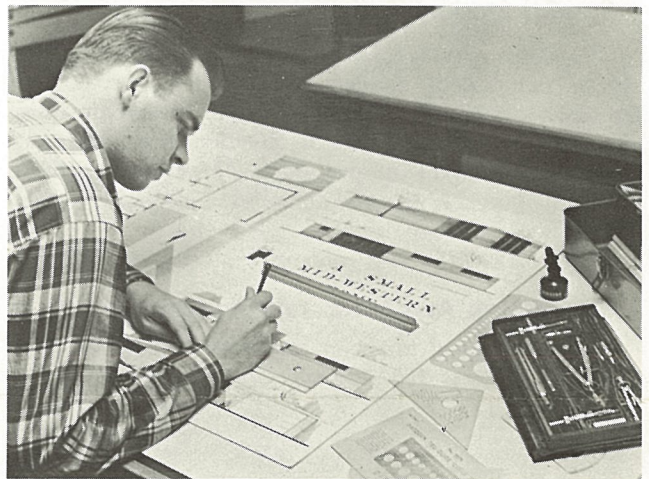
The program provides training in three major fields of the architectural profession: architectural design, structural design, and materials and methods of construction. The core of the curriculum is built around these three major aspects.

Architectural design is concerned with the aesthetics of architecture as it relates to function, planning, circulation, and development of the building. This gives the student an understanding of, and an empathy for, the problems of the designing architect and helps the

technician interpret the design solutions so that transfer of the idea to the working drawing is more comprehensive.

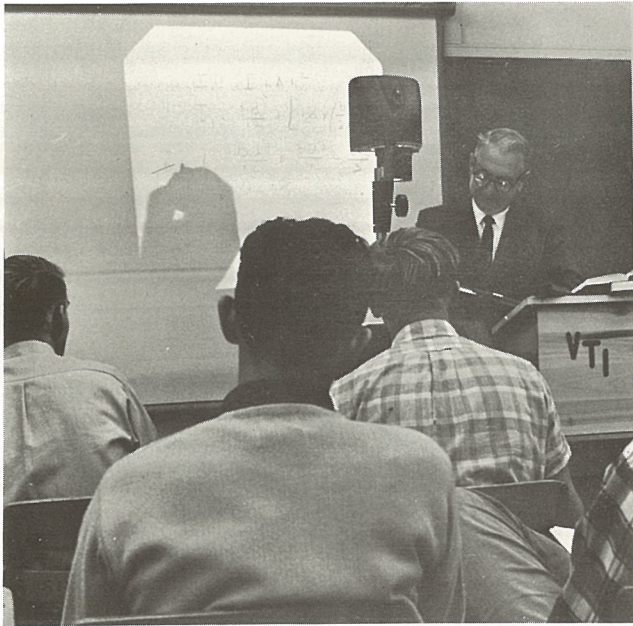
Structural design brings to the student an understanding of the basic principles of structural analysis in the areas of timber design, steel design, reinforced concrete design, and graphic analysis of trusses. Emphasis is placed on the understanding of basic formulas and their application in the use of handbooks common to each of the materials considered.

The courses in the area of materials and methods of construction are built around the production of work-



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ing drawings in frame construction, semi-fireproof, and fireproof construction. The student also receives training in architectural presentation, estimating, surveying, theory of color, history of architecture, and job orientation. There are also several required courses in the general education field, in English, physics, psychology, and government.



The students have immediately available a technical library of some 6,000 volumes and a periodical library of 130 titles. The student also has available to him the use of the main university library of almost one million volumes and 3,400 titles in the periodical field. The departmental library contains an excellent color slide collection of some 1,500 slides representing historic and contemporary architecture.

### **Special Student Activities**

The University provides many extracurricular activities for the student. Epsilon Tau Sigma is a professional fraternity organized by the students in the architectural technology field to help them broaden their experience and relationships in the profession. Membership is open to all students in the architectural and building construction technology program who qualify under the university regulations for student membership.

### **Scholarship And Financial Assistance**

The program of financial assistance to deserving students of Southern Illinois University makes available 30

financial assistance awards, which are granted to students of the Vocational-Technical Institute. These awards are based on financial need as well as scholarship.

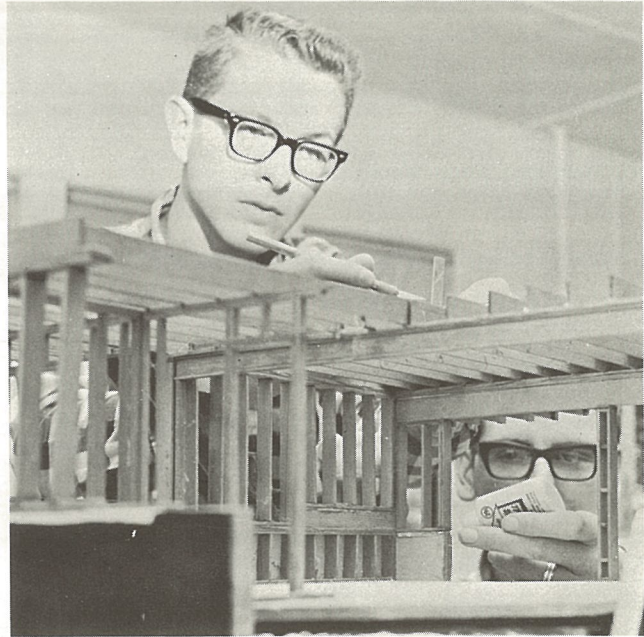
For further information write to:

Dean

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