

Architecture and Construction Technology • Associate in Applied Science

OCCUPATIONAL PROGRAM

Total Credit Hours: 62

Colleague Code: AAS.ACT

Curriculum Code: ACT 210

Recommended Course Sequence:

First Semester: [ACT 113](#), [ACT 124](#), [CAD 151](#), [EGL 101](#) *or* [EGL 104](#)

Second Semester: [ACT 120](#), [ACT 134](#), [CAD 152](#), [EGL 102](#) *or* [EGL 105](#), [TEM 103](#) *or* Math selection

Third Semester: [ACT 201](#), [ACT 202](#), [CAD 153](#), [TES 206](#), [PHY 101](#)

Fourth Semester: [ACT 203](#), [ACT 234](#), [POS 101](#) *or* [POS 201](#), [ESI 101](#), Elective

Program Information:

- *Students should complete [ACT 100](#) or have equivalent in high school.*
- Designed to prepare students in drafting skills that will enable them to become members of the architecture engineering team.
- Designed to train students in supervisory and administrative techniques for work in construction and related fields.
- This applied science program of study must be taken in its entirety to meet degree requirements.
- Career cluster includes architectural or engineering drafting techniques, specification writer; design aide; construction estimator; sales in real estate, building materials and appliance fixtures; and a background for trades personnel, supervisors and contractors.

For Program Information Contact:

Business and Technologies Department at 217.786.2381  or 217.786.2406  or see an academic advisor.

Required General Education Courses (16-18 credits)

- [EGL 101](#) Composition I *or*
[EGL 104](#) Career Communications I 3 credits
- [EGL 102](#) Composition II *or*
[EGL 105](#) Career Communications II 3 credits
- [PHY 101](#) General Physics I 4 credits
- [POS 101](#) Introduction to American Politics *or*
[POS 201](#) State and Local Government 3 credits
- [TEM 103](#) Vocational- Technical Math *or*
any MAT course 3-5
number 100 or higher credits

Required Program Courses (29 credits)

- [ACT 113](#) Architectural and Construction History 3 credits
- [ACT 120](#) Introduction to Building Construction 4 credits
- [ACT 124](#) Architectural Construction Documents I 5 credits
- [ACT 134](#) Architectural Construction Documents II 4 credits
- [ACT 201](#) Utilization of Concrete and Masonry 3 credits
- [ACT 202](#) Wood, Steel and Aluminum Structures 3 credits
- [ACT 203](#) Architectural Specifications and Mechanical-Electrical Systems 3 credits
- [ACT 234](#) Architectural Construction Documents III 4 credits

Required Program Support Courses (17 hours)

- [CAD 151](#) Fundamentals of Computer-Aided Drafting 3 credits
- [CAD 152](#) Advanced Computer-Aided Drafting 3 credits
- [CAD 153](#) Architectural Computer-aided Drafting 3 credits
- [ESI 101](#) Employability Skills 2 credits
- [TES 206](#) Mechanics of Materials 3 credits
- Elective 3 credits

Recommended elective: [CWE 101](#)

The following courses will be offered in the fall semester only: [ACT 113](#), [ACT 124](#), [ACT 201](#), [ACT 202](#) and [CAD 153](#).

The following courses will be offered in the spring semester only: [ACT 120](#), [ACT 134](#), [ACT 203](#), [ACT 234](#) and [CAD 152](#).

Up one level:

[Architecture Programs](#)