



## **Architecture Technologist A.A.S.**

Career Community: Building and Construction Trades

Curriculum Code: 1809

Effective: Fall 2023 – Summer 2028

### **Description**

The Architectural Technologist degree is designed to provide students with the skills to work in an entry-level position in the office of architects, engineers, and related professions. This program focuses on the varied day-to-day job responsibilities of an architectural staff member, including training in industry-standard software, construction methods, materials and practices, codes, graphic communication methods, and exposure to both residential and commercial building planning and design. In addition to gaining valuable employability skills in the classroom, the curriculum includes real-world experience via a workplace internship, giving the student a valuable “first job” in the profession of architecture.

### **Milestone**

In addition to the required General Education courses in Math and English, completion of ARCH 114 and ARCH 118 with a 2.0 or higher is a key component for success in completing this program. Knowledge obtained in these courses is the foundation for learning in other required courses. Students are encouraged to contact their faculty if they need additional assistance with learning the concepts presented in these courses.

### **Additional Information**

If students have already completed ELTE 102, HVAC 102, METS 102, TECH 102, or WELD 102 with a grade of 2.0 or higher, that will satisfy the DCTM 102 requirement. Any of these courses will fulfill the prerequisite for ARCH 113.

### **Contact Information**

For further information, including career options, course substitutions and waivers, etc., contact the Architecture Technology Program at the West Campus Building, Room M103, telephone number (517) 483-5338 or Student Services West Campus, West Campus Building, Room M106, telephone number (517) 267-5452.

### **General Education - Applied Degrees, Recommended Courses**

(For the full list of options, see [General Education](#))

- English Composition or Applied English – *Select one*  
ENGL 124, Technical Writing, 3 credits / 3 billing hours  
ENGL 127, Business Writing, 3 credits / 3 billing hours
- English Composition (second course)/Communication or Applied Communication – *Select one*  
COMM 110, Communication in the Workplace, 3 credits / 3 billing hours  
COMM 120, Dynamics of Communication, 3 credits / 3 billing hours

- Humanities and Fine Arts or Social Sciences or Applied Social Sciences – *Select one*  
 ARTS 102, Design & Communication, 3 credits / 3 billing hours  
 COMM 280, Intercultural Communication, 3 credits / 3 billing hours  
 HUMS 224, The Western World since 1500, 4 credits / 4 billing hours  
 MGMT 234, Diversity in the Workplace, 3 credits / 3 billing hours  
 SOCL 120, Introduction to Sociology, 3 credits / 3 billing hours
- Mathematics or Applied Mathematics – *Select one*  
 MATH 115, Technical Mathematics, 4 credits / 4 billing hours
- Natural Sciences Lab or Applied Science and Technology Lab – *Select one*  
 PHYS 120, The Art of Physics, 4 credits / 5 billing hours

### Program of Study Required Courses

Course Code	Course Title	Credit / Billing Hours
ARCH 105	Architecture Appreciation	2 / 2
ARCH 110	Visual Communications I	3 / 4
ARCH 113	Materials and Methods of Construction	4 / 6
ARCH 114	Architectural Drawing/Basic CAD	4 / 6
ARCH 118	Architecture Design and Planning	4 / 6
ARCH 124	Architectural Drawing/CAD II	4 / 6
ARCH 146	Preservation Adaptive Use	3 / 4
ARCH 218	Commercial Arch Planning	4 / 6
ARCH 220	Commercial Arch Drawing	4 / 6
ARCH 233	Revit Architecture BIM	4 / 6
ARCH 243	Revit Architecture BIM II	4 / 6
ARCH 290	Architectural Internship	3 / 3
DCTM 101	Drafting/Intro to CAD	3 / 4
DCTM 102	Construction Safety	2 / 3
DCTM 103	Codes and Specifications	3 / 3

### Minimum Total Credit Hours

68 credits / 89 billing hours

### Recommended Course Sequence

Semester I (Fall)
Gen Ed – English or Applied English
ARCH 105
ARCH 110
ARCH 114 – Milestone course
DCTM 101

Semester II (Spring)
Gen Ed – English Composition (second course)/ Communication or Applied Communication
Gen Ed – Mathematics or Applied Mathematics
ARCH 118 – Milestone course
ARCH 146
DCTM 102

Semester III (Summer)
Gen Ed – Humanities and Fine Arts or Social Sciences or Applied Social Sciences
ARCH 290

Semester IV (Fall)
Gen Ed – Natural Sciences Lab or Applied Science and Technology Lab
ARCH 113
ARCH 218
ARCH 233

Semester V (Spring)
ARCH 124
ARCH 220
ARCH 243
DCTM 103

*LCC makes every effort to limit revisions to the pathways during their effective timeframe. However, the College reserves the right to update certificate and degree title changes, and make course changes as needed, without prior notice.*