



## **Architecture Technology A.A.S.**

Career Community: Building and Construction Trades

Curriculum Code: 1455

Effective: Fall 2022 – Summer 2027

Revised: 1/29/23

### **Description**

The Architecture Technology degree is designed to prepare students to work in entry-level positions assisting in architecture or allied disciplines such as engineering, interior design, real estate development, and construction. The curriculum provides graduates with a broad foundation of technical abilities with an emphasis on job entry skill development, computer aided design, design creativity and awareness, and problem solving. Not all courses in this program transfer to all colleges. Students planning to transfer should see an academic advisor before enrolling in any course.

### **Milestone**

In addition to the required General Education courses in Math and English, completion of ARCH 107 and ARCH 114 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.

### **Contact Information**

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*  
Program of Study Required Courses will meet this requirement.
- English Composition (Second Course)/Communications or Applied Communications – *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 / 4 billing hours  
HUMS 160, Mythology, 4 credits / 4 billing hours  
HUMS 211, Art History to the Renaissance, 4 credits / 4 billing hours  
HUMS 212, Art Hist from the Renaissance, 4 credits / 4 billing hours

- Mathematics or Applied Mathematics – *Select one*  
MATH 122, Trigonometry, 4 credits / 4 billing hours  
MATH 126, Precalculus, 5 credits / 5 billing hours
- Natural Sciences Lab or Applied Science and Technology Lab – *Select one*  
PHYS 221, Introductory Physics I, 4 credits / 6 billing hours

### Program of Study Required Courses

Course Code	Course Title	Credit / Billing Hours
ARCH 105	Architecture Appreciation	2 / 2
ARCH 107	Sustainable Site Design	3 / 4
ARCH 110	Visual Communications I	3 / 4
ARCH 113	Materials & Methods of Constr.	4 / 6
ARCH 114	Architectural Drawing/CAD I	4 / 6
ARCH 126	Architecture Model Building	3 / 4
ARCH 141	History of Architecture I	3 / 3
ARCH 142	History of Architecture II	3 / 3
ARCH 233	Revit Architecture BIM I	4 / 6
CIVL 241	Statics/Strength of Materials	4 / 5
DCTM 102	Construction Safety	2 / 3
DCTM 103	Codes and Specifications	3 / 3
ENGL 127	Business Writing	3 / 3
MATH 151	Calculus I	4 / 4

### Program of Study Required Courses, Limited Choice – *Select one*

Course Code	Course Title	Credit / Billing Hours
ARCH 111	Arch Design Fundamentals	3 / 4
ARCH 125	Environmental Systems	4 / 4
ARCH 275	Sustainable Building Design	4 / 6
BLDT 120	Structural Framing	4 / 6
DCTM 101	Drafting/Intro to CAD	3 / 4

### Minimum Total Credit Hours

63 credits / 78 billing hours

### Recommended Course Sequence

Semester I (Fall)
Gen Ed – English Composition (Second Course)/Communications or Applied Communications
ARCH 105
ARCH 110
ARCH 114 – Milestone course
Limited Choice

Semester II (Spring)
Gen Ed – Mathematics or Applied Mathematics
ARCH 107 – Milestone course
ARCH 126
DCTM 102

Semester III (Summer)
Gen Ed – Humanities and Fine Arts or Social Sciences or Applied Social Sciences
ENGL 127

Semester IV (Fall)
Gen Ed – Natural Sciences Lab or Applied Science and Technology Lab
ARCH 113
ARCH 141
ARCH 233

Semester V (Spring)
ARCH 142
CIVL 241
DCTM 103
MATH 151

*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.*