



Architecture Technologist A.A.S.

Curriculum Code: 1809

Effective: Fall 2020 – Summer 2025

Revised: 6/25/21

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.

Additional Information

Students who have already completed ELTE 102, HVAC 102, METS 102 or WELD 102 with a grade of 2.0 or higher may substitute one of these courses for DCTM 102. Any of these courses may also be used to fulfill the prerequisite for ARCH 113.

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 Degree, Recommended Choices

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

- English Composition – *Select one*
ENGL 124, Technical Writing, 3 credits / 3 billing hours
ENGL 127, Business Writing, 3 credits / 3 billing hours
- 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
COMM 240, Interpersonal 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 214, World Civ. From 1600, 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	Industrial/Construction Safety	2 / 3
DCTM 103	Codes and Specifications	3 / 3

Total Credit Hours

68-69 credits / 89-90 billing hours

Recommended Course Sequence

Semester I (Fall)	Semester II (Spring)
Gen Ed – English Composition (Second Course)/Communications or Applied Communications ARCH 105 ARCH 110 ARCH 114 DCTM 101	Gen Ed - English Gen Ed – Mathematics or Applied Mathematics ARCH 118 ARCH 146 DCTM 102

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