

ATGL-1803: SPECIAL TOPICS: INTRODUCTION TO ARCH AND SHOP DRAWINGS

Cuyahoga Community College

Viewing: ATGL-1803 : Special Topics: Introduction to Arch and Shop Drawings

Board of Trustees:

May 2026

Academic Term:

Fall 2026

Subject Code

ATGL - Appld Indus Tech - Glazing

Course Number:

1803

Title:

Special Topics: Introduction to Arch and Shop Drawings

Catalog Description:

Introductory course covering technical and practical fundamentals of blueprints. This course provides students with knowledge of blueprint reading and blueprint history as they relate to the glazing industry. Classroom activities include interpreting standard shop and construction drawings to establish storefront dimensions, frame types, fastener requirements and respective specifications covering doors and related hardware.

Credit Hour(s):

1

Lecture Hour(s):

1

Requisites

Prerequisite and Corequisite

Departmental approval: admission to apprenticeship program.

Outcomes

Course Outcome(s):

Interpret and apply architectural and glazing shop drawings.

Objective(s):

1. Interpret symbols, line types, scales, and title blocks.
2. Read glazing shop drawings, including system details, anchorage, schedules, specs.
3. Apply dimensions/tolerances to field layout and installation sequencing.

Course Outcome(s):

Communicate effectively when laying out and applying architectural and glazing shop drawings.

Objective(s):

1. Explain plans/elevations/sections and detail callouts on architectural and glazing shop drawings.
 2. Explain glazing shop drawings, including system details, anchorage, schedules, specs.
 3. Identify and professionally communicate discrepancies across plan/spec/shop drawing sets.
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Methods of Evaluation:

- 1. Drawing interpretation exercises
- 2. Quizzes
- 3. Projects
- 4. Participation

Course Content Outline:

- 1. Plans
- 2. Symbols
- 3. Title blocks
- 4. Drawing organization
- 5. Elevations
- 6. Sections
- 7. Detail callouts
- 8. Cross-referencing
- 9. Shop drawings
- 10. Hardware schedules
- 11. Spec excerpts
- 12. Field layouts
- 13. Identification of inconsistencies

Religious Accommodation

Before reviewing the course schedule, students should carefully review the following religious accommodation policy and other required instructional policies:

Religious Accommodation:

Students seeking an accommodation for absences permitted under Ohio's Testing Your Faith Act must provide the instructor with written notice of the specific dates for which the student requires an accommodation and must do so not later than fourteen (14) days after the first day of instruction. Please submit requests for accommodations at this link: <https://portal2.tri-c.edu/ReligiousAccommodation/ReligiousAccommodationForm>. Students with questions about their religious accommodations under Ohio's Testing Your Faith Act may contact the College's Office of General Counsel and Legal Services by phone at 216.987.4856 or via email at legal@tri-c.edu.

Other Required Instructional Policies:

<https://www.tri-c.edu/student-resources/curriculum/documents/syllabus-part-b.pdf>

Weekly Schedule

	Topics
Week 1	Plans & symbols
Week 2	title blocks
Week 3	drawing organization
Week 4	drawing organization
Week 5	Elevations/sections
Week 6	detail callouts
Week 7	cross referencing
Week 8	cross referencing
Week 9	Shop drawings
Week 10	Shop drawings
Week 11	hardware schedules
Week 12	spec excerpts
Week 13	Field layout exercise
Week 14	Field layout exercise

Week 15 inconsistency review

Week 16 final project

The Course Schedule is subject to change due to pedagogical needs, instructor discretion, parts of term, and unexpected events.

Required/Recommended Readings

Instructor-provided materials

Additional Resources for the Instructor

<https://www.iupat.org/>

<https://ftior.edu/>

<https://iupat-dc6.org/locations/>

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