

## Master Syllabus

### CAT 2780 - Architectural Technology Capstone

**Division:** Science, Mathematics and Engineering

**Department:** Civil Engineering Technology

**Credit Hour Total:** 4.0

**Lecture Hrs:** 2.0 **Lab Hrs:** 6.0

**Other Prerequisite(s):** Approval of Department

**Date Revised:** December 2016

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### Course Description:

Assessment of achievement by Architectural Technology students in attaining program outcomes by completing a project demonstrating principles and practice of the major. Teamwork on projects will be emphasized. Only offered spring semester. Should be taken last spring term of program. Two classroom, six lab hours per week.

### General Education Outcomes:

- ▣ Critical Thinking/Problem Solving Competency
- ▣ Values/Citizenship/Community Competency
- ▣ Oral Communication Competency
- ▣ Written Communication Competency
- ▣ Information Literacy Competency
- ▣ Computer Literacy Competency

### Course Outcomes:

#### Demonstrate teamwork

As a member of a team demonstrate the professional values of the Sinclair Honor Code.

**Assessment Method:** Behavioral observations

**Performance Criteria:**

Receive score of at least "5" of 7 on assessment rubric

#### Project planning and design

Complete and plan a project through the design phase.

**Assessment Method:** Portfolios

**Performance Criteria:**

Receive score of at least "3.5" of 5 on a rubric

#### Principles and practices

Demonstrate the principles and practices of the discipline as described by program outcomes.

**Assessment Method:** Portfolios

**Performance Criteria:**

Receive score of at least "3.5" of 5 on a rubric

### Outline:

Identify a project  
Research sources to solve the problem  
Develop alternative solutions  
Define project scope  
Develop and present oral, graphic and written media of the solution