

# ENGINEERING AND CONSTRUCTION TECHNOLOGY (AS DEGREE S0430)

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## Technology and Health Division

### Degree S0430

This degree is intended to prepare students for employment in the engineering and construction field. An understanding of building materials and architectural specifications in construction, building and zoning codes, permits, and architectural CAD and BIM will be developed. The development of these skills is critical for direct employment in the fields of construction, general or civil engineering technology, building inspection or construction management. Students desiring a Bachelor's Degree (transfer program) should consult with a counselor or advisor to discuss transferability of courses.

This degree requires the completion of General Education coursework plus the following:

### Required Courses

Course Prefix	Course Name	Units
ARCH 142	Architectural Materials and Specifications	4
ARCH 145	Building and Zoning Codes	3
ECT 16	CADD and Digital Design Media Level I	4
ECT 17	Legal Aspects of Construction	3
ECT 26	Civil Engineering Technology and CADD	3
ECT 67	Reading Construction Drawings	3
ECT 70	Elements of Construction Management	3
ECT 71	Construction Estimating	3
ECT 87	Fundamentals of Construction Inspection	3
<b>Total Units</b>		<b>29</b>

### Program Learning Outcomes

*Upon successful completion of this program, a student will be able to:*

- Be technically competent.
- Be employed or seeking employment in the field or a related field.

Review Student Learning Outcomes (SLOs) (<http://www.mtsac.edu/instruction/outcomes/sloinfo.html>) for this program.