

# Construction Technology A.A.S

## — Construction Management Emphasis

### Program Description

The Construction Technology program incorporates inspection, estimation, materials, drafting and construction procedures. Graduates are employed in construction positions with engineering and architectural firms well as city, state and federal government agencies.

### Employment Information

Jobs of many types are available to the graduate of the building construction program. The primary direction of the program is toward management of construction companies, but many other careers are available such as estimators, sales representatives, drafters, system designers, expediter and other specifications.

### Degree Awarded

Associate in Applied Science

### For More Information Contact:

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### Technical Occupational Specialty

			26 Credit Hours	Date	Institution
<input type="checkbox"/>	ARCH	1103	Plan Reading	3	
<input type="checkbox"/>	ARCH	1223	Construction Drawing I	3	
<input type="checkbox"/>	ARCH	1614	Computer-Aided Drafting I	4*	
<input type="checkbox"/>	ARCH	2003	Architecture & Society	3*	
<input type="checkbox"/>	ARCH	2263	Systems & Materials	3	
<input type="checkbox"/>	CONS	1214	Introduction to Construction	4*	
<input type="checkbox"/>	CONS	2103	Introduction to Construction Management	3	
<input type="checkbox"/>	CONS	2333	Construction Practices and Procedures	3	

### Support and Related Courses

			15 Credit Hours	Date	Institution
<input type="checkbox"/>	HUMN	2203	Masterworks of Western Culture (Modern)	3*	
<input type="checkbox"/>	MATH	2123	Calculus for Technology Programs I	3*	
<input type="checkbox"/>	MATH	2133	Calculus for Technology Programs II	3*	
<input type="checkbox"/>	SOC	1113	Introductory Sociology	3*	
<i>(Other courses may be substituted with division approval.)</i>					
<input type="checkbox"/>	GENT	2323	Statics	3	

### General Education Courses

			22 credit hours	Date	Institution
<input type="checkbox"/>	ENGL	1113	English Composition I	3*	
<input type="checkbox"/>	ENGL	1213	English Composition II	3*	
or					
<input type="checkbox"/>	ENGL	2333	Introduction to Technical Support Writing	3	
<input type="checkbox"/>	HIST	1483	U.S. History to 1865	3*	
<input type="checkbox"/>	MATH	1513	College Algebra	3*	
<input type="checkbox"/>	MATH	1613	Trigonometry	3*	
<input type="checkbox"/>	PHYS	1114	General Physics	4*	
or					
<input type="checkbox"/>	PHYS	1014	Descriptive Physics	4	
<input type="checkbox"/>	POLS	1113	American Government	3*	

### Total to Graduate

63 Credit Hours

\*Refers to courses that transfer to the OSU-Stillwater Construction Management Technology Bachelor of Science program.

Student Name:	_____
CWID:	_____
Counselor:	_____

**ARCH 1103 PLAN READING**

Construction drawing interpretation. Topics: organization and relationship of drawings and specs; symbols, dimensions, scales and notes. Lab: three hours per week.

**ARCH 1223 CONSTRUCTION DRAWING I**

Provides students with the functional knowledge and skills necessary to create a set of working drawings for residential construction. Includes a detailed study of architecture as a profession, drawing equipment and architecture nomenclature, light construction drawings, techniques of architectural drawings, methods of representing floor plan, elevations, plot plans, slab construction, roof plans, door and window schedules, and construction sections and details. Students learn to read and interpret light construction drawings and will be required to complete a set of residential drawings. Lab: four hours per week. Lecture: one hour.

**\*ARCH 1614 COMPUTER-AIDED DRAFTING I**

Introduction to computer-aided drafting (CAD) principles, using a "menu-driven" system to generate graphic output for engineering drafting applications. Problem solving skills in applied technical fields will be developed. Lab: four hours per week. Prerequisite or co-requisite: ARCH 1223 or equivalent. Same as INDD 1614.

**ARCH 2003 ARCHITECTURE AND SOCIETY**

This is the first course in the architectural history sequence. It functions, therefore, as an introduction to both the historical framework of western architecture and the profession. The course also fulfills humanities and international dimension requirements for the University at large. Consequently, a large number of students enrolled in the course are not architecture majors. In addition, in fulfilling this role, the content of the course specifically includes modern architectural examples as comparisons to the historical framework.

**ARCH 2263 SYSTEMS AND MATERIAL**

Architectural, structural, environmental control systems and materials in architecture. Lab: two hours.

**CONS 1214 INTRODUCTION TO CONSTRUCTION**

Overview of the entire construction industry with emphasis on construction materials, methods and systems. Introduction to both building and highway construction drawings and their interpretation. Lab: two hours. Lecture: two hours. Same as CSUR 1214.

**CONS 2103 INTRODUCTION TO CONSTRUCTION MANAGEMENT**

A study of organization, management, economics and labor relations pertaining to projects during the construction phase. Prerequisite: advisor's approval.

**CONS 2333 CONSTRUCTION PRACTICES AND PROCEDURES**

Light, heavy and industrial construction. Foundation layout, framing and finish work, site investigations, excavation, pre-cast concrete, tilt up, structural steel and metal building construction and project management.