

Construction Technology A.A.S

— Construction Techniques Emphasis

Program Description

This emphasis in construction is designed for the student whose immediate plans are to work in the construction industry. While this option is not designed for maximum transferability to the baccalaureate program, many of the courses will transfer. This emphasis provides a very strong curriculum in the construction area.

Employment Information

Jobs of many types are available to graduates of the building construction program. This program directs students toward jobs such as estimators, first-time supervisory positions, sales representatives, expeditors and many other specifications.

Cooperative Agreement

This program is part of a cooperative agreement between OSU-Oklahoma and Francis Tuttle Technology Center.

Degree Awarded

Associate in Applied Science

For More Information Contact:

Dr. Jerry Nielsen
 Division Head
 Science and Engineering Technologies Division
 Room 300
 900 N. Portland Avenue
 Oklahoma City, OK 73107
 (405) 945-3220
 Fax: (405) 945-9144
 science.engineering@osuokc.edu

Cooperative Alliance Services

Student Center, Rom 132
 900 N. Portland Avenue
 Oklahoma City, OK 73107
 (405) 945-3318
 melissa.woodruff@osuokc.edu

Technical Occupational Specialty

				31 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 and Society	3		
<input type="checkbox"/>	ARCH	2263	Systems and Materials	3		
<input type="checkbox"/>	ARCH	2322	Construction Specifications	2		
<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		
<input type="checkbox"/>	CONS	2423	Construction Estimating I	3		

Support and Related Courses

15 Credit Hours

Select courses from ARCH,CONS,CSUR,GENT,INDD,MATH or SCI such as:

<input type="checkbox"/>	CONS	2253	Construction Drawing and CAD	3		
<input type="checkbox"/>	CONS	2342	Construction Inspection Principles	2		
<input type="checkbox"/>	CONS	2343	Concrete and Asphalt Construction	3		
<input type="checkbox"/>	CONS	2623	Construction Estimating II	3		
<input type="checkbox"/>	GENT	2323	Statics	3		

General Education Courses

18 Credit Hours

<input type="checkbox"/>	ENGL	1113	English Composition I	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"/>	POLS	1113	American Government	3		

Select 3 credit hours from the following:

<input type="checkbox"/>	ENGL	1213	English Composition II	3		
or						
<input type="checkbox"/>	SPCH	1113	Introduction to Speech Communication II	3		

Total to Graduate

64 Credit Hours

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.

ARCH 2322 CONSTRUCTION SPECIFICATIONS

Construction specifications and their significance as part of the contract documents. Specification language and style follows construction specification institute format. Prerequisites: ARCH 1223 and ARCH 2263.

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.