

# Construction Technology A.A.S

## — Building Inspection Option

### 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 as well as city, state and federal government agencies.

### 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.

### Degree Awarded

Associate in Applied Science

### For More Information Contact:

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 Oklahoma City, OK 73107  
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### Technical Occupational Specialty

				27 Credit Hours		
<input type="checkbox"/>	CONS	1103	Blue Print Reading & Drafting for Construction	3		
<input type="checkbox"/>	CONS	2233	Green Building Systems/Sustainable Construction	3		
<input type="checkbox"/>	CONS	1123	Introduction to Building Codes	3		
<input type="checkbox"/>	CONS	1133	Introduction to Electrical Codes	3		
<input type="checkbox"/>	CONS	1143	Introduction to Plumbing Codes	3		
<input type="checkbox"/>	CONS	1153	Introduction to Mechanical Codes	3		
<input type="checkbox"/>	CONS	2213	Structural Inspection	3		
<input type="checkbox"/>	CONS	2333	Construction Practices and Procedures	3		
<input type="checkbox"/>	ARCH	2444	Urban Planning Technology	3		

Date	Institution

### Support and Related Courses

				15 Credit Hours		
<input type="checkbox"/>	CONS	1214	Introduction to Construction	4		
<input type="checkbox"/>	ARCH	2322	Construction Specifications	2		
<i>Choose 9 Credits with departmental approval.</i>				9		


### General Education Requirements

				19 Credit Hours		
<input type="checkbox"/>	ENGL	1113	English Composition I	3		
<input type="checkbox"/>	ENGL	2333	Introduction to Technical Report Writing	3		
	HIST	1483	U.S. History to 1865			
<input type="checkbox"/>	<b>OR</b>			3		
	HIST	1493	U.S. History Since 1865			
<input type="checkbox"/>	MATH	1513	College Algebra	3		
<input type="checkbox"/>	PHYS	1014	Descriptive Physics	4		
<input type="checkbox"/>	POLS	1113	American Government	3		


### Total to Graduate

61 Credit Hours

Student Name:	_____
CWID:	_____
Counselor:	_____
Catalog 2012-2013	

## **CONSTRUCTION TECHNOLOGY AAS - BUILDING INSPECTION OPTION-COURSE DESCRIPTIONS**

### **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.

### **ARCH 2444 URBAN PLANNING TECHNOLOGY**

Land use standards and zoning classifications and restrictions, nature and planning of land development patterns in the modern urban society are studied. Lab: six hours per week. Prerequisites: ARCH 2013. Offered on demand.

### **CONS 1103 BLUE PRINT READING & DRAFTING FOR CONSTRUCTION**

The course will provide an understanding of the visual plans and specification which are involved in the construction process along with an understanding of drafting skills which are needed within the construction industry. At the completion of the course, students will have the skills needed to interpret and use contract documents which are used during the construction process. Lecture hours: 2; lab hours: 3

### **CONS 1123 INTRODUCTION TO BUILDING CODES**

Introduction to current building codes including BOCA (Building Officials and Code Administrators) applications. Offered on demand.

### **CONS 1133 INTRODUCTION TO ELECTRICAL CODES**

Introduction to current electrical codes as they apply to buildings. Offered on demand.

### **CONS 1143 INTRODUCTION TO PLUMBING CODES**

Introduction to current plumbing codes as they apply to buildings. Offered on demand.

### **CONS 1153 INTRODUCTION TO MECHANICAL CODES**

Introduction to current mechanical codes as they apply to buildings. Offered on demand.

### **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 2213 STRUCTURAL INSPECTION**

Orientation to the correct code requirements on applications, techniques and inspection of reinforced concrete, structural block and pre-stressed concrete. Offered on demand.

### **CONS 2233 GREENBUILDING SYSTEMS/SUSTAINABLE CONSTRUCTION**

The purpose of the course is to provide an overview of the green building market within construction, with importance placed on high performance green building systems, renewable onsite energy, water efficiency and minimization of the building impact on the environment. An understanding of sustainability and green building systems will be gained at the completion of the course. Prerequisite: cons 1214; lecture hours: 3

### **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.