

Construction Technology A.A.S

— Building Inspection 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 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.

Technical Occupational Specialty

<input type="checkbox"/>	ARCH	1103	Plan Reading
<input type="checkbox"/>	ARCH	1223	Construction Drawing I
<input type="checkbox"/>	ARCH	2263	Systems and Materials
<input type="checkbox"/>	CONS	1123	Introduction to Building Codes
<input type="checkbox"/>	CONS	1133	Introduction to Electrical Codes
<input type="checkbox"/>	CONS	1143	Introduction to Plumbing Codes
<input type="checkbox"/>	CONS	1153	Introduction to Mechanical Codes
<input type="checkbox"/>	CONS	2213	Structural Inspection
<input type="checkbox"/>	CONS	2333	Construction Practices and Procedures

27 Credit Hours

Date	Institution

Support and Related Courses

Choose 18 Credits with departmental approval.

18 Credit Hours

18	
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Degree Awarded

Associate in Applied Science

General Education Requirements

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

19 Credit Hours

Total to Graduate

64 Credit Hours

For More Information Contact:

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 Science and Engineering Technologies Division
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Student Name:	_____
CWID:	_____
Counselor:	_____
Catalog 2009-2010	

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 2063 CAD SYSTEMS MANAGEMENT**

Concentrating on the responsibilities and duties of the CAD (computer-aided design) system manager including archiving and back-up procedures, file manipulation, securities, library management, graphic standards, CAD departmentalization and various applications. Offered on demand.

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 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 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.