

**Collin College
Curriculum Outline**

**Architecture and Construction Career Cluster
Construction Management**

AAS - Construction Management

CIP 15.1001

First Year

First Semester

			<u>Lec</u>	<u>Lab</u>	<u>Ext</u>	<u>Cont</u>	<u>Hours</u>
CNBT	1301	Introduction to the Construction Industry	3	0	0	48	3
CNBT	1311	Construction Methods and Materials I	2	2	0	64	3
ECON	1301	<i>Introduction to Economics (see Social / Behavioral Sciences options)</i>	3	0	0	48	3
MATH	1324	<i>Mathematics for Business and Social Sciences (see Mathematics options)</i>	3	1	0	64	3
OSHT	1305	OSHA Regulations - Construction Industry	2	2	0	64	3
Total Hours			13	5	0	288	15

Second Semester

			<u>Lec</u>	<u>Lab</u>	<u>Ext</u>	<u>Cont</u>	<u>Hours</u>
CNBT	2304	Construction Methods and Materials II	2	2	0	64	3
CNBT	2342	Construction Management I	3	0	0	48	3
HUMA	1301	<i>Introduction to Humanities I (see Humanities / Fine Arts options)</i>	3	0	0	48	3
SPCH	1321	<i>Business and Professional Communication (see Speech options)</i>	3	0	0	48	3
CNBT	1300	Residential and Light Commercial Blueprint Reading	2	2	0	64	3
Or							
CNBT	2310	Commercial/Industrial Blueprint Reading	2	2	0	64	3
Total Hours			13	4	0	272	15

Summer Semester

			<u>Lec</u>	<u>Lab</u>	<u>Ext</u>	<u>Cont</u>	<u>Hours</u>
CNBT	1380	Cooperative Education - Construction Engineering Technology/Technician	1	0	19	320	3
Total Hours			1	0	19	320	3

Second Year

First Semester

			<u>Lec</u>	<u>Lab</u>	<u>Ext</u>	<u>Cont</u>	<u>Hours</u>
CNBT	1315	Field Engineering I	2	2	0	64	3
CNBT	1346	Construction Estimating I	3	0	0	48	3
CNBT	2344	Construction Management II	3	0	0	48	3
ENGL	1301	<i>Composition I</i>	3	0	0	48	3
CNBT	1302	Mechanical, Plumbing & Electrical Systems in Construction I (Residential)	2	2	0	64	3
Or							
CNBT	2340	Mechanical, Plumbing & Electrical Systems in Construction II (Commercial)	2	2	0	64	3
Total Hours			13	4	0	272	15

Second Semester

			<u>Lec</u>	<u>Lab</u>	<u>Ext</u>	<u>Cont</u>	<u>Hours</u>
CNBT	1342	Building Codes and Inspections (Residential)	3	0	0	48	3
Or							
ARCE	1342	Codes, Specifications and Contract Documents (Commercial)	3	0	0	48	3
CNBT	1359	Project Scheduling	2	2	0	64	3
CNBT	1381	Cooperative Education - Construction Engineering Technology/Technician	1	0	19	320	3
CNBT	2346	Construction Management III (Capstone)	3	0	0	48	3
Total Hours			12	2	19	528	12

GRAND TOTAL

1376 60

**Collin College
Curriculum Outline**

**Architecture and Construction Career Cluster
Construction Management**

Certificate Level 1 - Residential or Commercial Construction Management

CIP 15.1001

First Semester

			<u>Lec</u>	<u>Lab</u>	<u>Ext</u>	<u>Cont</u>	<u>Hours</u>
CNBT	1301	Introduction to the Construction Industry	3	0	0	48	3
CNBT	1311	Construction Methods and Materials I	2	2	0	64	3
CNBT	2342	Construction Management I	3	0	0	48	3
OSHT	1305	OSHA Regulations - Construction Industry	2	2	0	64	3
CNBT	1300	Residential and Light Commercial Blueprint Reading	2	2	0	64	3
Or							
CNBT	2310	Commercial/Industrial Blueprint Reading	2	2	0	64	3
Total Hours			12	6	0	288	15

Second Semester

			<u>Lec</u>	<u>Lab</u>	<u>Ext</u>	<u>Cont</u>	<u>Hours</u>
CNBT	1342	Building Codes and Inspections (Residential)	3	0	0	48	3
Or							
ARCE	1342	Codes, Specifications and Contract Documents	3	0	0	48	3
CNBT	1346	Construction Estimating I	3	0	0	48	3
CNBT	1359	Project Scheduling	2	2	0	64	3
CNBT	1380	Cooperative Education - Construction Engineering Technology/Technician (Capstone)	1	0	19	320	3
CNBT	1302	Mechanical, Plumbing & Electrical Systems in Construction I (Residential)	2	2	0	64	3
Or							
CNBT	2340	Mechanical, Plumbing & Electrical Systems in Construction II (Commercial)	2	2	0	64	3
Total Hours			11	4	19	544	15
GRAND TOTAL						832	30

**Collin College
Curriculum Outline**

**Architecture and Construction Career Cluster
Construction Management**

Certificate Level 2 - Construction Manager

CIP 15.1001

First Year

First Semester

			<u>Lec</u>	<u>Lab</u>	<u>Ext</u>	<u>Cont</u>	<u>Hours</u>
CNBT	1301	Introduction to the Construction Industry	3	0	0	48	3
CNBT	1311	Construction Methods and Materials I	2	2	0	64	3
OSHT	1305	OSHA Regulations - Construction Industry	2	2	0	64	3
Total Hours			7	4	0	176	9

Second Semester

			<u>Lec</u>	<u>Lab</u>	<u>Ext</u>	<u>Cont</u>	<u>Hours</u>
CNBT	2304	Construction Methods and Materials II	2	2	0	64	3
CNBT	2342	Construction Management I	3	0	0	48	3
CNBT	1300	Residential and Light Commercial Blueprint Reading	2	2	0	64	3
Or							
CNBT	2310	Commercial/Industrial Blueprint Reading	2	2	0	64	3
Total Hours			7	4	0	176	9

Summer Semester

			<u>Lec</u>	<u>Lab</u>	<u>Ext</u>	<u>Cont</u>	<u>Hours</u>
CNBT	1380	Cooperative Education - Construction Engineering Technology/Technician	1	0	19	320	3
Total Hours			1	0	19	320	3

Second Year

First Semester

			<u>Lec</u>	<u>Lab</u>	<u>Ext</u>	<u>Cont</u>	<u>Hours</u>
CNBT	1315	Field Engineering I	2	2	0	64	3
CNBT	1346	Construction Estimating I	3	0	0	48	3
CNBT	2344	Construction Management II	3	0	0	48	3
		Mechanical, Plumbing & Electrical Systems in Construction I (Residential)	2	2	0	64	3
CNBT	1302						
Or							
CNBT	2340	Mechanical, Plumbing & Electrical Systems in Construction II (Commercial)	2	2	0	64	3
Total Hours			10	4	0	224	12

Second Semester

			<u>Lec</u>	<u>Lab</u>	<u>Ext</u>	<u>Cont</u>	<u>Hours</u>
CNBT	1342	Building Codes and Inspections (Residential)	3	0	0	48	3
Or							
ARCE	1342	Codes, Specifications and Contract Documents	3	0	0	48	3
CNBT	1359	Project Scheduling	2	2	0	64	3
CNBT	1381	Cooperative Education - Construction Engineering	1	0	19	320	3
CNBT	2346	Construction Management III (Capstone)	3	0	0	48	3
Total Hours			9	2	19	480	12

GRAND TOTAL **1120** **45**

**Collin College
Curriculum Outline**

**Architecture and Construction Career Cluster
Construction Management**

OSA - Construction Management

CIP 15.1001

CNBT	1301	Introduction to the Construction Industry	3	0	0	48	3
CNBT	1311	Construction Methods and Materials I	2	2	0	64	3
CNBT	2342	Construction Management I	3	0	0	48	3
OSHT	1305	OSHA Regulations - Construction Industry	2	2	0	64	3
Total Hours			10	4	0	224	12
GRAND TOTAL						224	12

**Certification Form for New Associate of Applied Science Degree
and Certificate Programs
Texas Higher Education Coordinating Board**

Directions: An institution shall use this form to request a new associate of applied science degree or certificate program that meets all criteria for automatic approval in Coordinating Board Rules, Chapter 9, Subchapter E, Section 9.93.

The institution proposing the program shall notify all public institutions within 50 miles of the teaching site of their intention to offer the program at least 30 days prior to submitting their request to the Coordinating Board. If no objections occur, the Coordinating Board staff shall update the institution's program inventory accordingly. If objections occur, the proposing institution must resolve those objections prior to submitting the request to the Coordinating Board. If the proposing institution cannot resolve the objection(s), and the institution wishes to submit the proposed program, the proposing institution may request the assistance of the Assistant Commissioner of Workforce, Academic Affairs and Research to mediate the objections and determine whether the proposing institution may submit the proposed program. No new program shall be implemented until all objections are resolved.

Information: Contact the Division of Workforce, Academic Affairs and Research at 512/427-6200 for more information.

Program Information

1. Institution: Collin County Community College
2. Program Name: Construction Management
3. Proposed CIP Code: 52.2001
4. Number of Required Semester Credit Hours (SCH): 60

Note: If the number of semester hours required to complete a proposed associate's program exceeds 60, the institution must provide detailed written documentation describing the compelling academic reason for the number of required hours, such as, but not limited to, programmatic accreditation requirements, statutory requirements, or licensure/certification requirements that cannot be met without exceeding the 60-hour limit. The Coordinating Board staff will review the documentation provided and make a determination to approve or deny a request to exceed the 60-hour limit. Institutions of higher education must be in compliance with this subsection before the 2015 fall semester.

5. Implementation Date: Report the first semester and year that students would enter the program.
Fall 2018
6. Contact Person: Provide contact information for the person who can answer specific questions about the program.

Name: Jim Barko
Title: Dean of Workforce
E-mail: JBarko@collin.edu
Phone: 972-365-1902

Signature Page

I hereby certify that all of the following criteria have been met in accordance with the procedures outlined in Coordinating Board Rules, Chapter 9, Subchapter E, Section 9.93, and that recent documentation is available to support these criteria:

- (A) The program has institutional and governing board approval;
- (B) The institution has researched and documented current job market need for the program and/or that the program would lead to opportunities for further education;
- (C) There is recent evidence of both short-term and long-term student demand for the program;
- (D) Enrollment projections reflect student demand estimates to ensure the financial self-sufficiency of the program;
- (E) Basic and career technical/workforce skills have been integrated into the curriculum;
- (F) The institution has an enrollment management plan for the program;
- (G) The institution has or will initiate a process to establish articulation agreements for the program with secondary and/or senior level institutions;
- (H) The program is designed to be consistent with the standards of the Southern Association of Colleges and Schools Commission on Colleges of the Southern Association of Colleges and Schools, and with the standards of other applicable accrediting agencies, and is in compliance with appropriate licensing authority requirements;
- (I) The program would not unnecessarily duplicate existing programs at other institutions;
- (J) Representatives from private sector business and industry have been involved in the creation of the program through participation in an advisory committee;
- (K) Adequate funding is available to cover all new costs to the institution over the first five years after the implementation of the program;
- (L) New costs during the first five years of the program would not exceed \$2 million;
- (M) A new associate degree program is not being requested in a program which the institution previously offered an associate degree and has been closed due to low productivity in the last 10 years;
- (N) The institution has an improvement plan in place for all career technical/workforce programs that do not currently meet Board standards for both graduation and placement;
- (O) The appropriate Higher Education Regional Council has been notified in writing of the proposal for a new program, and no unresolved objections to the program have been reported; and
- (P) Skill standards recognized by the Texas Skill Standards Board, if they exist for the discipline, have been reviewed and considered for inclusion in the curriculum for the program.

I understand that the Coordinating Board will update the program inventory for the institution if no objections to the proposed program are received during the 30-day public comment period.

Chief Executive Officer

Date

I hereby certify that the Governing Board has approved this program.

Date of Governing Board approval: _____

Governing Board Officer (or Designee)

Date