

Construction Project Management

Mercer's Construction Management Program enables today's construction industry managers to put principles and theories into immediate action on the job. Complete your projects on time and on budget. Earn our Certificate or just take the courses that interest you.

Certificate in Construction Project Management

To earn the certificate, you must take eight core courses and a minimum of 30 classroom hours of electives.

Core Courses

- Construction Blueprint Reading
- Construction Specifications and Contracts
- Materials, Methods and Systems of Construction
- Contract Law in the Construction Industry
- Construction Change Orders & Claims
- Microsoft Project
- Construction Cost Estimating I
- Construction Cost Estimating II
- Construction Project Management

Electives

- AMA Successful Project Management
- AMA Successful Negotiating (pg. 6)
- AMA Total Quality Management (pg. 6)
- AMA Fundamentals of Finance and Accounting for Non-Financial Managers
- SketchUp Your Design
- Any course in the Green Future Management program (see pgs 10-11)



Complete Microsoft Project 2007

Prerequisite: Introduction to the OS or equivalent experience

See pg. 22 for course description.

1.2 CEU. Cost: \$235 (tuition and fees: \$108; lab fees: \$127)

XCA128-084562

Jan 25-Feb 1

2 sessions M

9:30am-4pm*

*1/2 hour for lunch

Steve Tirado, MCCC Instructor

XCA128-084563

May 4-May 13

4 sessions Tu,Th

6:30-9:30pm

John Gontowicz, MCCC Instructor

Construction Blueprint Reading

Introduces blueprints and specifications used on construction projects. Students learn the skills necessary to reference through construction documents. Classes cover symbols, abbreviations, and scaling of working plans.

2.0 CEU. Tuition and fees: \$190

XTC102-084508

Jan 12-Feb 4

8 sessions Tu,Th 6-8:30pm

William Winterbottom, MCCC Instructor

Construction Cost Estimating II

Prerequisite: Construction Cost Estimating I

This course is an extension of Cost Estimating I. The course provides the student with the necessary tools required in estimating the direct and indirect cost of a project. This course will enhance and improve any estimator's abilities. Students will be presented with, and challenged by, solving practice problems. You will learn expert techniques for precise and reliable detail estimating. **Bring books used in Cost Estimating I.**

1.8 CEU. Tuition and fees: \$211 (includes material fee \$40)

XTC105-084509

Jan 11-Feb 1*

6 sessions M,W 6:30-9:30pm

*Class will not meet Jan 18

Joe Scillieri, PE, President, J.J. Scillieri & Associates, Inc.

Construction Change Orders and Claims

In today's hectic design and construction process, with unforeseen conditions, it is ultra rare to find projects that do not require "Changes to Contracts" or Change Orders. Topics discussed include means and methods of preparing the Change Orders, scopes, pricing of work and methods of negotiation. Impacts of Change Orders on the Project Schedule/Completion will be reviewed. Also included are avoidance of claims, preparation of claims and their resolution.

1.5 CEU. Tuition and fees: \$157

XTC140-084510

Feb 18-Mar 18

5 sessions Th 6:30-9:30pm

James Langsdorf, MCCC Instructor

Construction Specifications and Contracts

It is important to develop and implement proper and clearly understood Contracts, Scopes of Work, and Contract Specifications. It is equally important for all those in the construction process to understand, properly interpret and abide by these documents. Types of Contracts, 'Ready Made' Contracts such as AIA, Contract implementation, Contract Specifications, their preparation and interpretation will be covered. Classes will consist of a combination of lectures and open discussion of topics/situations/problems brought in by class members. Bringing in your challenges and problems and discussion participation is strongly encouraged.

1.5 CEU. Tuition and fees: \$157

XTC141-084511 **Feb 23-Mar 23**
5 sessions Tu 6:30-9:30pm
Michael Greenberg, AIA/CSI

Materials, Methods, and Systems of Construction

Prerequisite: Construction Blueprint Reading

This basic comprehensive overview of different types of construction offers an introduction to the functions of a variety of building systems.

2.4 CEU. Tuition and fees: \$265 (includes \$14 materials fee)

XTC107-084512 **Feb 24-Mar 22**
8 sessions M,W 6:30-9:30pm
Joseph Scillieri, PE, President, J.J. Scillieri & Associates, Inc.

Contract Law in the Construction Industry

Discuss and examine public and private bidding procedures, the offer, counteroffer, acceptance, contract terms, negotiation, and finally the written contract and execution. We will examine construction contracts, letters of credit, letters of intent, bonds and disputes, change orders, amendments and common pitfalls. UCC provisions, remedies, breaches and resolutions will also be discussed.

1.0 CEU. Tuition and fees: \$105

XTC143-086442 **May 6-May 27**
4 sessions Th 6:30-9pm
Thomas Roselli, Esq.

SketchUp Your Design

See pg. 27 for course description.

1.2 CEU. Tuition and fees: \$245 (tuition: \$114; lab fees: \$131)

XCP301-084507 **Apr 8-Apr 29**
4 sessions Th 6:30-9:30pm
Dominick Rodriguez, MCCC Instructor

Construction Project Management

Prerequisite: Construction Cost Estimating and Blueprint Reading

Project Management is the application of system controls to construction operations, whether the project is a residential development, a commercial building, or large industrial complex. An overview of the management process from design through occupancy as well as the administration, legal and practical aspects of managing construction projects will be reviewed in an open forum, defined by the class interest and new industry standards.

2.5 CEU. Tuition and fees: \$292 (includes \$30 materials fee)

XTC100-084514 **Apr 12-May 12**
10 sessions M,W 6:30-9pm
Joseph Scillieri, PE, President, J.J. Scillieri & Associates, Inc.

BPI Certification Building Analyst I

NEW!

Be in demand with Building Performance Institute's Building Analyst 1 Certification. The two-week 80-hour training program prepares you for BPI's written and field tests. Learn how to address a comprehensive range of house construction concerns and be able to provide customers with a plan to achieve more energy efficient homes. You will learn and practice the latest building science technology including: blower door, duct blaster and air barrier and pressure testing equipment to help resolve HVAC insulation, air leakage and water/moisture issues. BPI certification is valuable for working for municipalities, contractors or starting your own business.

8.0 CEU. Tuition and fees: \$1500 (\$400 tuition; \$1100 fees; includes all materials, testing, scoring and reporting)

XTC135-086374 **Jan 25-Feb 5**
10 sessions M,Tu,W,Th, F 8am-5pm*
*1 hour lunch
Charles Goldate, Technical Services Manager, EAM Associates

Green Future Management Program

See pgs 10-11 for course descriptions.

- Sustainability Fundamentals
- Energy Efficient Design
- Indoor Environmental Quality
- Water Efficient Design
- Material Selection and Life Cycle Analysis
- Sales & Marketing
- Green Building for Existing Homes
- Studio Capstone Presentations

Uniform Construction Code Program

Experienced contractors who wish to become NJ Construction Code Enforcement Inspectors and Officials must complete a mandatory education program under the New Jersey Uniform Construction Code Act. MCCC has been approved by the NJ Department of Community Affairs (DCA) to offer the required courses intended for students seeking licensure in New Jersey to study NJ code standards.

After taking the required courses, contractors also need to pass National Exams. Students needing additional material and training for the national exams or with questions about requirements or textbooks should contact the DCA Licensing Unit at 609-984-7834 or www.nj.gov/dca/codes/licensingunit/index.html or the publications office at 609-984-0040. The DCA has a program of reimbursement for a percentage of the cost of tuition for each course successfully completed, if funding is available.

The same textbook is used for all courses: *New Jersey Uniform Construction Code*. Please obtain textbook online at <http://www.nj.gov/dca/codes>. (Allow four to six weeks for delivery.)

Prerequisite: All course work within a particular discipline must be taken in the appropriate sequence (i.e., RCS, ICS, HHS).

Fire Protection Inspector ICS

This course covers the administrative, plan review and inspection requirements for fire protection systems, fire rated assemblies, building classification and uses applicable to Class II and III structures.

12.0 CEU. Tuition and fees: \$1200

XTC137-084515 **Jan 11-Apr 28***

30 sessions M,W 6-10pm

**Class will not meet Jan 18, Mar 29*

**Meets at Dempster Fire Training Center,
350 Lawrence Station Rd., Lawrenceville
Kevin Oswald, CFPS*

Fire Protection Inspector HHS

This 60-hour course is designed to provide students with the technical knowledge and educational experience required by the State for licensure under the Uniform Construction Code. Topics covered will include: plan review of Class I structures, fire protection system design and plan review, code requirements for active and passive fire suppression systems, fire protection testing methods and required reports.

6.0 CEU. Tuition and fees: \$600

XTC129-084516 **Jan 12-Mar 18***

20 sessions Tu,Th 6-9pm

**Meets at Dempster Fire Training Center,
350 Lawrence Station Rd., Lawrenceville
David Herbert, C.P.M., Construction Official-Fire*



Building Inspector ICS

This course covers the administrative, plan review and inspection requirements for structural, energy, radon, accessibility, mechanical and fire protection systems applicable to Class II structures. **Students will need the International Building Code, International Mechanical Code, and International Fuel Gas Code.**

7.5 CEU. Tuition and fees: \$712

XTC110-084517 **Jan 12-Mar 18**

20 sessions Tu,Th 6-9:30pm

1 session Sa TBA

Joe Fabrizi, Construction Official

Building Inspector HHS

This course covers the administrative, plan review and inspection requirements for structural, energy, accessibility, radon, mechanical and fire protection systems applicable to Class I structures.

6.0 CEU. Tuition and fees: \$570

XTC112-084518 **Mar 23-May 18***

15 sessions Tu,Th 6-10pm

**Class will not meet Mar 30, Apr 1*

Fayezy Fanik, Construction Official

Construction Official

Prerequisite: Subcode Official class or license

Acquaints inspectors and subcode officials with the role of the construction official. Includes instruction in such areas as; office organization, purpose and fundamentals of code enforcement, procedures for processing cases, search warrants and administrative hearings, records maintenance, warrants relocation, housing maintenance, and legal rights of landlords and tenants. **Text: current**

Uniform Construction Code

4.5 CEU. Tuition and fees: \$450

XTC124-084519 **Jan 13-Mar 31**

12 sessions W 6-9:45pm

Kenneth Verbos, Construction Official

Electrical Inspector HHS

Covers advanced electrical systems and system design, material, and installation practices pertaining to Class I structures and all other structures, with particular attention to hazardous use locations. **Text will be announced in the first class.**

4.8 CEU. Tuition and fees: \$480

XTC120-084520 **Feb 2-May 25***

16 sessions Tu 6:30-9:30pm

**Class will not meet Mar 30*

Kenneth Verbos, Construction Official

Uniform Construction Code Technical Assistant Certification

This 45-hour course provides the educational requirement for state certification as a Technical Assistant. The Technical Assistant provides administrative support to the officials and inspectors within a local, county or state construction code enforcement office/agency. This course provides an overview to the administrative procedures in issuing permits, coordinating inspections, serving notices, stop work orders and violations, releasing various forms of Certificates, record keeping and state report generation, as well as other matters relevant to the efficient operation and public interfacing.

4.5 CEU. Tuition and fees: \$475 (includes computer lab fee)

XTC123-086370 **Mar 4-July 8***

18 sessions Th 6:30-9pm

1 session Sa TBA

**Class will not meet Apr 1*

Brenda Sirkis, Certified Technical Assistant

Plumbing Inspector HHS

This course covers the administrative, plan review and inspection requirements for structural, energy, accessibility, radon, mechanical and fire protection systems applicable to Class I structures. **(Note: Please bring a lunch — cafeteria closed.)**

6.0 CEU. Tuition and fees: \$570

XTC117-084522 **Apr 10-June 19***

10 sessions Sa 9am-3:30pm

**Class will not meet May 29*

Sibte Kazmi, P.E., Construction Official

Locomotive Engineer & Conductor Basic Training Program

College level study and test taking skills are recommended for this challenging course.

Prerequisite: Must have a high school diploma or GED

Prepare yourself for a lucrative career in the emerging market for locomotive engineers, conductors, train dispatchers and transportation management trainees. Due to the energy crisis, environmental concerns and the planned retirement of existing workers, freight and commuter rail companies across the U.S. will be looking to fill positions. This 65-hour course will give you a complete overview of railroad operations, equipment, safety, infrastructure and operating rules. This technically demanding course will prepare you to interview and test for positions at any freight or commuter rail company across the United States including but not limited to: NJ TRANSIT, AMTRAK, MNRR, LIRR, SEPTA, CONRAIL, NS and CSX. **Textbooks required. Available in college bookstore. (Note: Please bring a lunch — cafeteria closed.)**

A free information session will be held Thursday, January 28, 2010 at 5:30pm.

6.5 CEU. Tuition and fees: \$450 (includes \$25 materials fee)

XCP179-086074 **Feb 6-Apr 6**

15 sessions Sa* 9am-3:30pm*

Tu** 6:30-9:30pm

**Sat. classes: Feb 6, 13, 20, 27, Mar 6, 13*

9am-3:30pm (1/2 hour for lunch);

Mar 20, 27 - 9am-1pm

***Tuesday classes: Feb 16, 23, Mar 2, 9, 16, 23,*

Apr 6

New Jersey Transit Instructors

