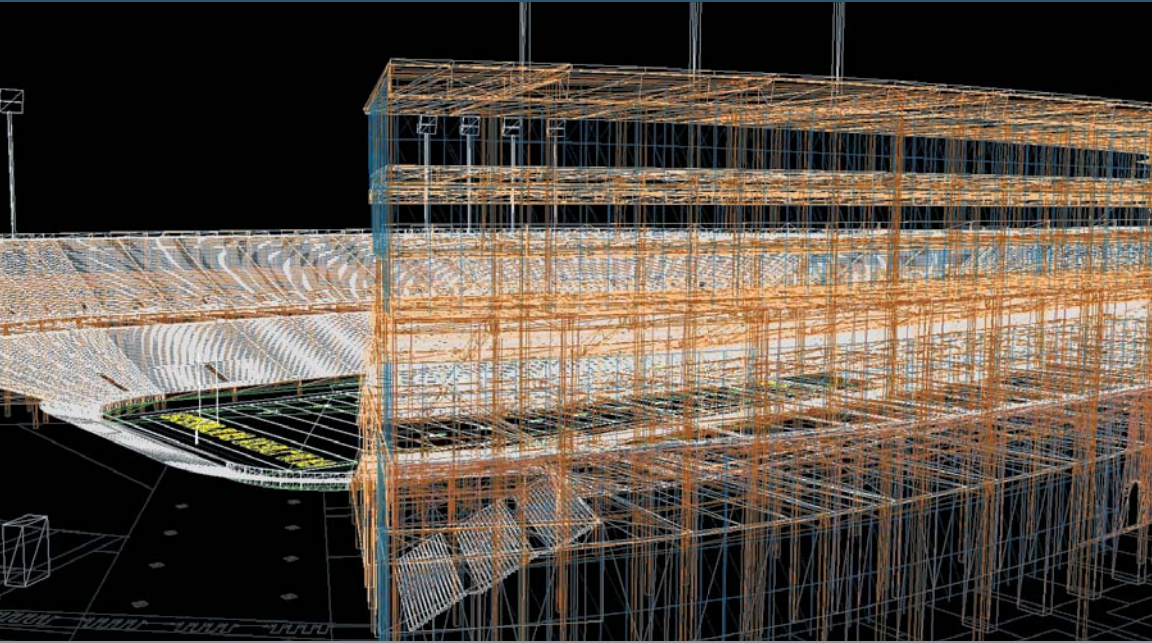


**BIM**  
EDUCATION  
PROGRAM

**BUILDING INFORMATION MODELING EDUCATION PROGRAM**

An AGC Construction Learning Tool



Your Resource for Successful BIM Implementation

**AGC of America**  
THE ASSOCIATED GENERAL CONTRACTORS OF AMERICA  
Quality People. Quality Projects.



**Building Information Modeling (BIM) is changing the way projects are constructed. Whether you are a prime contractor using BIM across an entire project or a subcontractor impacted by a specific BIM implementation, this emerging practice requires new mind-sets and technological know-how in order to achieve significant improvements in efficiency and cost control.**

AGC's BIM Education Program—developed in conjunction with leading BIM practitioners, technology firms and educators—is designed to prepare construction professionals at all experience levels to successfully implement BIM on a construction project and within a firm. The highly interactive program provides 40-hours of instruction and training:

**Unit 1 | BIM 101—An Introduction to Building Information Modeling**

**Unit 2 | BIM Technology**

**Unit 3 | BIM Contract Negotiation and Risk Allocation**

**Unit 4 | BIM Process, Adoption, and Integration**

Together these courses give participants an unmatched view of the overall BIM process and how it is relevant to their work. The goal of the BIM Education Program is to train individuals how to become BIM Champions within their organization.

## **Continuing Education**

Select BIM EP courses may be approved for continuing education units such as American Institute of Architects (AIA) Learning Units, Green Building Certification Institute (GBCI) Continuing Education Hours, and American Institute of Constructors (AIC) Continuing Professional Development Hours.

## **Unit 1: BIM 101—An Introduction to Building Information Modeling**

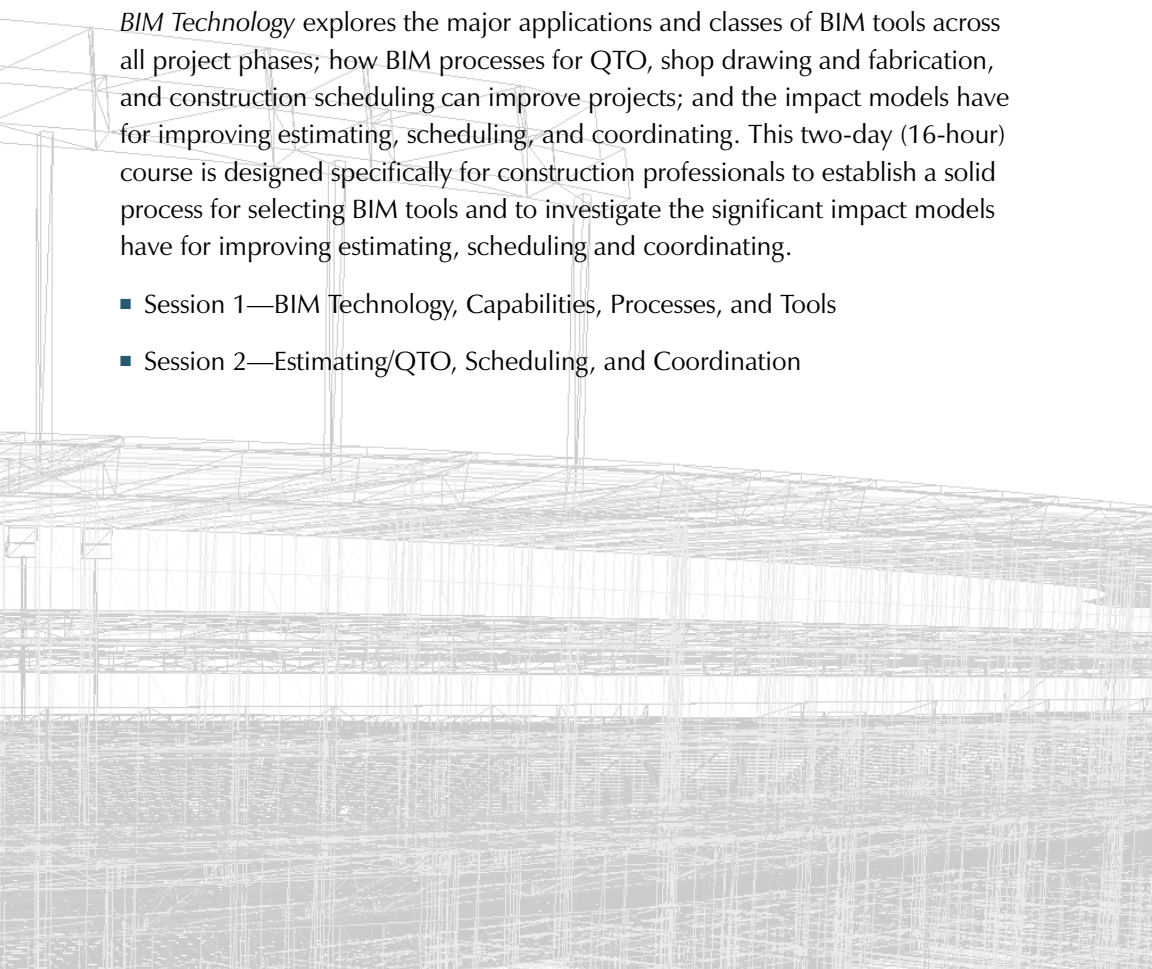
*BIM 101* is designed specifically for construction professionals eager to learn the essential concepts of BIM. The full-day (8-hour) course explains the benefits of improved visualization on a construction project through the use of 3D, 4D and 5D models, establishes a knowledge base of BIM terminology and outlines case studies showing successful BIM implementation.

- Session 1—What Is BIM?
- Session 2—BIM Visualization Uses and Spatial Coordination
- Session 3—BIM Scheduling, Estimating, and Facility Management
- Session 4—Getting Started with BIM

## **Unit 2: BIM Technology**

*BIM Technology* explores the major applications and classes of BIM tools across all project phases; how BIM processes for QTO, shop drawing and fabrication, and construction scheduling can improve projects; and the impact models have for improving estimating, scheduling, and coordinating. This two-day (16-hour) course is designed specifically for construction professionals to establish a solid process for selecting BIM tools and to investigate the significant impact models have for improving estimating, scheduling and coordinating.

- Session 1—BIM Technology, Capabilities, Processes, and Tools
- Session 2—Estimating/QTO, Scheduling, and Coordination



## Unit 3: BIM Contract Negotiation and Risk Allocation

*BIM Contract Negotiation and Risk Allocation* is a full-day (8-hour) course that examines BIM and contract terminology to determine best practices for integrating BIM into project contracts. Hot-button issues such as standard of care, intellectual property rights, and insurance and surety bonding coverage are discussed to help participants successfully prepare for BIM implementation.

It is assumed that all participants have had exposure to basic BIM concepts and terminology through attendance in *BIM 101*. This course relies on a highly participatory learning environment including activities, classroom discussions, and instructor-led discussions.

- Session 1—Introduction to BIM Contract Negotiation
- Session 2—Contract Liabilities and Standard of Care
- Session 3—BIM Execution Plan Contract Terms
- Session 4—Model Intellectual Property Rights
- Session 5—Insurance and Surety Bonding Issues
- Session 6—Risk Allocation and Management

## Unit 4: BIM Process, Adoption, and Integration

*BIM Process, Adoption, and Integration* is a full-day (8-hour) course that provides a foundation for participants to establish and execute the BIM process, facilitate its adoption, and achieve integration on a single project and at a company level to execute multiple BIM projects simultaneously.

This course is developed for those who have had significant exposure to BIM tools, mechanics, theory, and processes through attendance in *BIM 101* and *BIM Technology* and want to learn best practices to implement it into construction projects and firms.

- Session 1—Introduction to BIM Process, Adoption, and Integration
- Session 2—Project-Level BIM Implementation
- Session 3—Company-Level BIM Implementation



## Earn Your Certificate of Management—Building Information Modeling

The Certificate of Management—Building Information Modeling (CM-BIM) is the construction industry's first and only BIM assessment-based certificate program that teaches the *practical application* of the building information modeling process for commercial construction firms.

Not just a tech certificate for BIM software and applications, AGC's CM-BIM program combines the latest information on BIM processes and technologies, step-by-step procedures for integrating BIM into the project delivery process, real-life case studies of successful BIM implementations, and the practical issues all parties need to understand when utilizing BIM on a construction project.

Based on AGC's BIM Education Program, a CM-BIM can be achieved by completing all four courses in the BIM Education Program and successfully passing the CM-BIM assessment (available Spring 2011).

Visit [www.agc.org/CM-BIM](http://www.agc.org/CM-BIM) for additional information.

**Join AGC's BIMForum** | Join more than 3,000 of the nation's leading Architects, Engineers, Builders and Owners, and become part of AGC's BIMForum today! BIMForum is an effort to facilitate and accelerate the adoption of building information modeling in the construction industry. This unique community collaborates via online forums and annual conferences and provides both BIM experts and BIM novices a forum for education, discussion and implementation best practices. Learn more at [www.BIMForum.org](http://www.BIMForum.org).

# BIM EDUCATION PROGRAM

BIM Education Program | AGC of America | 2300 Wilson Blvd., Suite 400 | Arlington, VA 22201

## Where to Go for BIM Education Program Courses

BIM Education Program courses are offered nationwide through select AGC chapters and educational institutions and at construction industry events. Visit [www.agc.org/BIMEP](http://www.agc.org/BIMEP) for course dates and locations.

*Interested in holding your own BIM courses?* Purchase BIM Education Program Instructor's Guides and Participant's Manuals at the AGC Store, <http://store.agc.org>.

[www.agc.org/BIMEP](http://www.agc.org/BIMEP)

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