

ARCH 204AC Great Buildings: Structure, Style and Context: This course surveys selected, key monuments of architectural history from ancient through modern times that are paradigmatic of building art and science during a particular period. The buildings spotlighted represent dominant types from pyramids to skyscrapers that are not only laboratories for innovative design and cutting-edge technologies, but also are expressive of the values and aspirations of the society at large. Developments in the areas of materiality and structural systems will be integrated with changing social, economic, political, stylistic, and environmental demands that are normative of a particular time and place. Enrollment is restricted to School of Continuing and Professional Studies students.

ARST 221AC Historic Preservation and Adaptive Reuse: This course introduces the multi-faceted field of contemporary preservation, examining fundamental principles and practices used today by historians, architectural conservators, designers, archaeologists, non-profit museum directors, and professional advocates, with attention given to issues of sustainability and adaptive reuse. Students learn through guest lectures, case studies, class discussion, field trips and "hands-on" projects. Enrollment is restricted to School of Continuing and Professional Studies students.

CMGT 104AC Introduction to Estimating and Scheduling: Utilizing pertinent case studies, this course focuses upon the planning and scheduling stages of the building process, with particular emphasis upon reading construction documents and basic estimating principles applied to small-scale, residential and commercial projects. Construction site procedures as well as techniques for estimating unit quantities and costs of materials, labor and equipment, are introduced, and given industry application utilizing building specifications and computer software. Enrollment is restricted to School of Continuing and Professional Studies students.

CMGT 208AC Materials and Methods of Construction: This course is an introduction to the materials, assemblies and methodologies of general construction organized around Construction Specifications Institute division format. Topics include site-work and excavation techniques and proceed through basic building systems in concrete, masonry, wood, plastic and steel along with interior and exterior finishes. Emphasis is placed on achieving design intent through appropriate construction techniques and sequencing. Case studies, site visits, ongoing project examples are an integral part of the course. Enrollment is restricted to School of Continuing and Professional Studies students

CMGT 220 Introduction to Construction Drawings: This course introduces the graphical language of construction and design documents. Students will learn to read construction plans and understand the terminology and functions of Computer Aided Design (CAD) and Building Information Modeling (BIM) software applications. Instruction will be through a combination of interactive lecture and lab time. Enrollment is restricted to School of Continuing and Professional Studies students.

CMGT 302AC Construction Contract Administration: This course familiarizes students with the various forms of contract used in the construction industry and best practices for their administration and management. Through exploration of cases and current events, students will explore contract operation regarding rights, duties, responsibilities, claims management and assignment of risk. Emphasis is placed on the management of contracts as a means for the achievement of overall project success. Enrollment is restricted to School of Continuing and Professional Studies students.

CMGT 404 Special Topics: Project Management in Construction: This course addresses pertinent issues relative to construction. Special issues related to construction will be investigated by individual or groups of students based on a discussion with the instructor. Enrollment is restricted to School of Continuing and Professional Studies students.

CMGT 498 Building and Construction Studies Capstone: This course serves as a capstone course in the Building and Construction Studies program. Students complete the SCPS Portfolio they have been assembling throughout their program. The portfolio provides students with an opportunity to look at the past, present, and future. Students reflect on personal growth and development during their program of study. Students also demonstrate ability to apply knowledge and skills acquired throughout the program by completing construction-related case analyses. The portfolio concludes with a professional development plan wherein students identify goals for continued professional growth and lifelong learning. The capstone course brings together the student's educational experience to apply the knowledge and skills obtained throughout the major to address real-world business and organizational challenges in today's competitive workforce. Prerequisites: CLC 310, CLC 320, CLC 330, CLC 340, CLC 350, FIN 201 or FIN 323, ARCH 204, ARST 221, CMGT 104, CMGT 208, CMGT 220, CMGT 302, CMGT 404