CONSTRUCTION SCIENCE AND MANAGEMENT (CSM)

Construction Science and Management (CSM) Courses

CSM 2113. Construction Materials and Methods. (3-0) 3 Credit Hours.
Prerequisite: Enrollment as an Architecture, Interior Design, or Construction Science and Management major or permission of instructor. Introduction to materials, methods, equipment, and sequences of the construction process including structural elements, components, and assemblies. Course Fees: SAP1 $25; STSA $15; DL01 $75.

CSM 2143. Construction Estimating I. (3-0) 3 Credit Hours.
Prerequisite: CSM 2113 and CSM 3123. Introduction to estimating procedures for buildings related to quantity surveying, cost of materials and labor, life-cycle costs, and applicable software. (Formerly ARC 4613. Credit cannot be earned for both CSM 4143 and ARC 4613.) Generally offered: Spring. Course Fees: SAP1 $25; STSA $15; DL01 $75. Differential Tuition: $165.

CSM 4143. Structures II. (3-0) 3 Credit Hours.

CSM 4513. Project Management. (3-0) 3 Credit Hours.
Prerequisite: CSM 3123. Introduction to project management of the construction process and integration with allied professions. Introduction to applicable software. (Formerly ARC 4613. Credit cannot be earned for both CSM 4513 and ARC 4613.) Generally offered: Fall, Spring. Course Fees: SAP1 $25; STSA $15; DL01 $75. Differential Tuition: $165.

CSM 4523. Project Planning and Scheduling. (3-0) 3 Credit Hours.
Prerequisite: CSM 4513. Continuation of CSM 4513 with emphasis on scheduling and project delivery methods utilizing applicable software. (Formerly ARC 4623. Credit cannot be earned for both CSM 4523 and ARC 4623.) (Formerly titled "Construction Management II") Generally offered: Fall, Spring. Course Fees: SAP1 $25; STSA $15. Differential Tuition: $165.

CSM 4533. Building Information Modeling for Construction Management. (3-0) 3 Credit Hours.

CSM 4623. Construction Safety. (3-0) 3 Credit Hours.
Prerequisite: Enrollment as a Construction Science and Management major or permission of instructor. Development and management of safety programs, worker's compensation, OSHA compliance, safety policies, standards, and record keeping. Course Fees: SAP1 $25; STSA $15. Differential Tuition: $165.

CSM 4633. Construction Law. (3-0) 3 Credit Hours.
Prerequisite: Enrollment as a Construction Science and Management major or permission of instructor. Legal and ethical aspects of construction contracts, bonds, insurance, and bidding. Owner, architect, contractor, and subcontractor relationships. Generally offered: Fall, Spring. Course Fees: SAP1 $25; STSA $15; DL01 $75. Differential Tuition: $165.

CSM 4643. Mechanical, Electrical and Plumbing Systems. (3-0) 3 Credit Hours.
Prerequisite: CSM 4533 or permission of instructor. Building systems with an emphasis on design, installation and control of heating, ventilation and cooling, plumbing and drainage, electrical, fire and lightning protection systems. Generally offered: Fall. Course Fees: DL01 $75; SAP1 $25; STSA $15. Differential Tuition: $165.

CSM 4713. Construction Capstone. (3-0) 3 Credit Hours.
Prerequisites: CSM 4023, CSM 4523, CSM 4633, and CSM 4643. Senior capstone project emphasizing integration of the design and construction processes. Project delivery systems, project development, estimating, scheduling and project controls of various types of construction projects. Generally offered: Fall, Spring, Summer. Course Fees: DL01 $75; SAP1 $25; STSA $15. Differential Tuition: $165.
CSM 4911. Independent Study. (0-0) 1 Credit Hour.
Prerequisites: Permission in writing (form available) of the instructor, the student's advisor, the School Director, and the Dean of the College in which the course is offered. Scholarly research under the direction of a faculty member. May be repeated for credit, but not more than 6 semester credit hours of independent study, regardless of discipline, may apply to a bachelor's degree. Generally offered: Fall. Course Fees: SAP1 $25; STSA $5. Differential Tuition: $55.

CSM 4913. Independent Study. (0-0) 3 Credit Hours.
Prerequisites: Permission in writing (form available) of the instructor, the student's advisor, the School Director, and the Dean of the College in which the course is offered. Scholarly research under the direction of a faculty member. May be repeated for credit, but not more than 6 semester credit hours of independent study, regardless of discipline, may apply to a bachelor's degree. Course Fees: SAP1 $25; STSA $15. Differential Tuition: $165.

CSM 4931. Summer Internship. (0-0) 1 Credit Hour.
Prerequisite: CSM 4623. This is a part-time, on-site, construction work experience. Supervision by qualified construction manager and intern mentor to prepare the intern for building construction management functions. Instructor prior approval of details for individual work experience required. Must be repeated for credit and taken in consecutive five-week summer sessions. Generally offered: Summer. Course Fees: SAP1 $25; STSA $5. Differential Tuition: $55.

CSM 4932. Internship. (0-0) 2 Credit Hours.
Prerequisite: CSM 4623. This is a part-time, on-site, construction work experience. Supervision by qualified construction manager and intern mentor to prepare the intern for building construction management functions. Instructor prior approval of details for individual work experience required. Generally offered: Fall, Spring. Course Fees: SAP1 $25; STSA $10. Differential Tuition: $110.

CSM 4933. Summer Internship. (0-0) 3 Credit Hours.
Prerequisite: CSM 4623. This is a full-time, on-site, construction work experience during summer semester. Supervision by qualified construction manager and intern mentor to prepare the intern for building construction management functions. Instructor prior approval of details for individual work experience required. Course Fees: SAP1 $25; STSA $15. Differential Tuition: $165.

CSM 4943. Internship I. (0-0) 3 Credit Hours.
Prerequisite: CSM 4623. This is a part-time, on-site, construction work experience during fall or spring semesters. Supervision by qualified construction manager and intern mentor to prepare the intern for building construction management functions. Instructor prior approval of details for individual work experience required. Course Fees: SAP1 $25; STSA $15. Differential Tuition: $165.

CSM 4946. Internship II. (0-0) 6 Credit Hours.
Prerequisite: CSM 4623. This is a full-time, on-site, construction work experience during fall or spring semesters. Supervision by qualified construction manager and intern mentor to prepare the intern for building construction management functions. Instructor prior approval of details for individual work experience required. Course Fees: SAP1 $25; STSA $30. Differential Tuition: $330.

CSM 4953. Special Studies in Construction Science and Management. (0-6) 3 Credit Hours.
Prerequisite: Consent of instructor. An organized course offering the opportunity for specialized study not normally or not often available as part of the regular course offerings. Special Studies may be repeated for credit when the topics vary, but not more than 3 hours for CSM 4951, 6 hours for CSM 4953, or 12 hours for CSM 4956, regardless of discipline, will apply to a bachelor's degree. Course Fees: SAP1 $25; STSA $15. Differential Tuition: $165.