COURSE DESCRIPTIONS BY COURSE DISCIPLINE PREFIX

CST CONSTRUCTION

CST-111 **Construction I** **4 (3-3)** **Fall**
Prerequisites: None
Corequisites: None
This course covers standard and alternative building methods to include wall framing. Topics include safety and footings, foundations, floor framing systems, and wall framing systems commonly used in the construction industry. Upon completion, students should be able to safely erect all framing necessary to begin roof framing.(1997 SU)

CST-112 **Construction II** **4 (3-3)** **Spring**
Prerequisites: CST-111[S]
Corequisites: None
This course covers building methods and materials used to dry-in a building. Topics include safety, ceiling/roof framing applications, roof finishes, windows, and exterior doors. Upon completion, students should be able to safely erect different roof types and properly install windows and exterior doors, roofing, and exterior finish materials.(1997 SU)

CST-221 **Statics/Structures** **4 (3-3)** **Summer**
Prerequisites: ARC-112[S] or CST-112[S]; MAT-110[S], MAT-121[S], or MAT-171[S]
Corequisites: None
This course covers the principles of statics and strength of materials as applied to structural building components. Topics include forces on columns, beams, girders, and footings and connection points when timber, steel, and concrete members are used. Upon completion, students should be able to accurately analyze load conditions present in structural members.(2016 SP)

CST-231 **Soils & Site Work** **4 (3-2)** **Fall**
Prerequisites: MAT-121[S] or MAT-171[S]
Corequisites: None
This course covers site conditions and soil types and their physical properties. Topics include site preparation, access, mechanical analysis, classification of soils, and hydrostatics of groundwater. Upon completion, students should be able to adequately prepare a building site according to plans and specifications.(2014 FA)

CST-241 **Planning/Estimating I** **3 (2-2)** **Spring**
Prerequisites: BPR-130[S] or MAT-121[S] or MAT-171[S]
Corequisites: None
This course covers the procedures involved in planning and estimating a construction/building project. Topics include performing quantity take-offs of materials necessary for a building project. Upon completion, students should be able to accurately complete a take-off of materials and equipment needs involved in a construction project.(2014 FA)