

PROFESSIONAL ELECTIVE LIST

Department of Architectural Engineering and Construction Science Kansas State University

Construction Science and Management

Fall 2005

Professional electives are upper level courses selected to develop and enhance a student's knowledge of a specific specialty area in the science of construction.

Students **MUST** take at least 2 credit hours from the following list of Construction topics:

ARE	620	Topics/Architectural Engineering (Leed Construction) (2 cr)
CNS	545	Heavy Construction Methods (1 credit of 3)
CNS	634	Building Systems Commissioning (2)
CNS	644	Topics/Construction Management (Metal Buildings) (1 credit of 2)
CNS	738	Mechanical and Electrical Estimating (2)
DEN	300	Intro to Total Quality Management (1 cr)
PLAN	753	Planning Law (2 credits of 3) (fall only, PR: PLAN 315)

Students may take any of the courses on the approved list above or on the approved list below to meet the **remainder** of their professional elective requirements. **Students are responsible for checking prerequisites** and meeting any such requirements prior to enrolling in any of the following courses.

ARE	311	CAD in Engineering and Construction (2)
ARE	720	Topics/Architectural Engineering (Tilt-up Concrete) (2)
ARE	720	Topics/Architectural Engineering (Leed Construction) (2)
ARE	710	Building Energy Analysis (V)
ARE	724	Advanced Sanitation Systems (3)
ARE	731	Advanced Lighting Design (3)
ARE	740	Environmental Control Systems in Buildings (3)
ARE	741	Building Communications Systems (3)
ARE	760	Masonry Structural Design (3)
CNS	499	Honors Research in Construction Science (Var)
CNS	544	Problems in Construction Science (Var)
CNS	545	Heavy Construction Methods (3)
CNS	644	Topics/Construction Management (V)
IMSE	530	Engineering Economics Analysis (2)
PLAN	655	Land Development Planning (2) (spring only)
PLAN	315	Planning Principles (3) (fall only)
PLAN	752	Physical Process of Plan Implementation (2) (spring only, PR: PLAN 715)
CNS	644	Metal Buildings (2) (May intersession)
STAT	350	Business & Economics Statistics I (3)