

RANKEN

TECHNICAL COLLEGE

COURSE INFORMATION

Course Number: BSE 1000

Course Name: Building Systems

WRITTEN CREDIT-BY-ASSESSMENT (CBA) COMPETENCY LIST

- Identify the requirements and needs of coordinating a construction project.
- Solve practical building design dilemmas utilizing mathematical calculations and computer graphic software.

HANDS-ON CREDIT-BY-ASSESSMENT (CBA) COMPETENCY LIST

- Interpret, analyze and document a set of building plans.
- Develop plans and prints utilizing AutoCAD software.
- Solve practical building design dilemmas utilizing mathematical calculations and computer graphic software.
- Interpret information contained within a set of construction documents.
- Translate scale factors and utilize both the architect scale and the engineering scale.
- Complete a simple mechanical drawing including front, top, right side and isometric views of the object, while using appropriate layers, linetypes, and lineweights within the AutoCAD file.
- Complete dimensioning three views of a part, given the dimensions in an isometric view.