

College of Applied Sciences
Program Goals and Student Learning Outcomes
As of 07/21/2006

Department: Kimmel School of Construction Management and Engineering Technology
Program: B.S. Construction Management

Program Goals:

1. Provide a curriculum which is responsive to social, economic, and technical developments and reflects the application of evolving knowledge in construction and in the behavioral and quantitative sciences.
2. Provides industries in North Carolina and the region with graduates capable of being immediately productive, and a faculty responsive to the region's economic changes and growth.

Student Learning Outcomes:

1. Utilize modern instruments, methods and techniques to implement construction contracts, documents, and codes per ACCE 3.3.2: 5.1, 5.2, 5.3, 5.4 and 5.6
2. Evaluate materials and methods for construction projects per ACCE 3.3.2.4.3;
3. Utilize modern surveying methods for construction layout per ACCE 3.3.2.4.5;
4. Determine forces and stresses in elementary structural systems per ACCE 3.3.2: 4.1, 4.2;
5. Estimate material quantities and costs per ACCE 3.3.2.5.1;
6. Employ software to solve technical problems per ACCE 3.3.2: 4.4, 5.1, 5.2, and 5.6.
7. Produce and utilize design, construction, and operations documents;
8. Perform economic analyses and cost estimates related to design, construction, and maintenance of systems in construction;
9. Apply principles of construction law and ethics per ACCE 3.3.2: 5.4 and 5.5;
10. Perform standard analysis and general design in at least one real life project related to construction technology that is appropriate to the goals of the program per ACCE 3.3.2.5.6.