

Civil Engineering Technology

The Civil Engineering Technology Program Outcomes were established using a one-to-one mapping to the ABET Program Outcome Criterion (a-k). These outcomes were approved by the Division Dean and Department full-time faculty.

Revision of the Program Outcomes is facilitated by using input from embedded course assessment, faculty, student evaluations of the course and instructor, CIVT 2026, 2027, 2028 or 2029 course evaluation of the student's performance, Lakeland's internal program review (DAPR), and the TAC/ABET evaluation. Any changes to the Program curriculum require input from the Division Dean, Division and Department faculty, and approval by the Curriculum Committee and Provost.

The Continuous Improvement Flowchart, shown in *Figure 4-1*, on *Page 20* illustrates the process.

Program Outcomes

Graduates of the Civil Engineering Technology Program will be able to demonstrate:

Program Outcome 1: an appropriate mastery of the knowledge, techniques, skills, and modern tools of Civil Engineering Technology field (a)

Program Outcome 2: an ability to apply current knowledge and adapt to emerging applications of mathematics, science, engineering, and technology (b)

Program Outcome 3: an ability to conduct, analyze and interpret experiments, and apply experimental results to improve processes (c)

Program Outcome 4: an ability to apply creativity in the design of systems, components, or processes appropriate to program educational objectives (d)

Program Outcome 5: an ability to function effectively on teams (e)

Program Outcome 6: an ability to identify, analyze and solve technical problems (f)

Program Outcome 7: an ability to communicate effectively (g)

Program Outcome 8: recognition of the need for, and an ability to engage in lifelong learning (h)

Program Outcome 9: an ability to understand professional, ethical and social responsibilities (i)

Program Outcome 10: a respect for diversity and knowledge of contemporary professional, societal and global issues (j)

Program Outcome 11: a commitment to quality, timeliness, and continuous improvement (k)

Program Outcomes will be documented at:

<http://www.lakelandcc.edu/ACADEMIC/ENGINEER/civil/>