Construction Science and Management
Assessment Process Flowchart

Surveys/Data Sources

- Senior Survey
- 2-yr Alumni Survey
- 5-yr Alumni Survey
- Employer Survey
- Instructor Survey & Course Outcomes Mapped to 1 thru 7

Construction Science and Management Program Objectives/Outcomes

1 Graduates will have a strong technical knowledge.

a Graduates will demonatrate an ability to apply engineering, science, and math fundamentals to solve construction problems.

2 Graduates will have a thorough understanding of the Construction Process.

Secondary data

Graduates will demonstrate:

a An understanding of the construction process, materials, system assemblies, and equipment.
b An ability to read and underatand contract documents and the contractual relationships.
c an ability to prepare quantity take-offs and an understanding of cost estimates.
d An understanding and application of cost control systems.
e An understanding of administrative and operational aspects of the construction process.
f An ability to prepare and administer a project plan and schedule.
g An understanding of structural, mechanical, electrical, plumbing, and other related systems.
h An understanding of construction safety standards and their value.
i An understanding of construction laws, codes, and regulations.
j An understanding of material procurement and management.
k An ability to read and interpret construction drawings and specifications.
l An understanding of various project delivery systems.

3 Graduates will have strong communication skills.

Graduates will demonstrate:

a An ability to communicate effectively with oral presentations.

b An ability to communicate effectively with written documents.

c An ability to communicate effectively with graphic depiction.

4 Graduates will possess strong leadership, management, and teamwork skills.

Sec. data

Graduates will demonstrate:

a an ability to effectively work on cross-disciplinary teams.

b an ability to work effectively with specialty contractors.

5 Graduates will understand and apply modern technology.

Graduates will demonstrate:

a an ability to use the computer for analysis and communication.

b an ability to use technology and instrumentation in field layout and control.

6 Graduates will pursue professional development through life-long learning.

Graduates will demonstrate:

a self-directed inquiry as a basis for life-long learning.

b an ability to relate the construction industry to relevant society and economic issues.

7 Graduates will uphold high ethical and professional standards.

Graduates will demonstrate an understanding of ethical and professional behavior in preparation for an effective industry career.

PROGRAM EDUCATIONAL OBJECTIVE:

Program Educational Objective

OTHER COLLECTED DATA:

Relationship of current position to undergraduate field of study?
How difficult was it for you to find employment?
How well did KSU CNSM program prepare you for your current position?
How well did KSU CNSM program provide academic advising?
Quality of advising within the department
Accessibility of advisors
Quality of teaching within the department
Accessability of faculty out of class
Faculty interaction with students
Faculty support of students and activities
Encouragement of student involvement in professional societies
Quality of classroom space
Computer infrastructure
Computer accessibility
Availability and quality of audio-visual technology
Assistance in internships
Assistance with job placement
Assistance with career decisions
Comprehensive project experience (Construction Operations)
Acedemic honesty of fellow students
Overall curriculum and courses

Overall evaluation of recruiting experience at KSU
Overall evaluation of departmental & faculty interaction at KSU

Percentage who have pursued professional development
Percentage having internships directed related to program of study

Initial Review Documents Generated

Compare Student Learning v.s. Performance Criteria
Executive Summary for each measured program outcome and achievement of the Program Educational Objective.

Review/Evaluate/Report

CNSM Assessment Team	CNSM Advisory Council

Instructional Program Committee

Revise/Modify curriculum/courses/policies