Bachelor of Science in Construction Management Program
Mission Statement
The Mission of the Construction Management program is to educate and prepare students
to succeed in the construction management profession by providing them with essential
technical, managerial and communication skills and tools, which will enable them to
perform current and future construction management tasks and to promote the need for
life-long learning.
Educational Objectives
The Construction Management program educational objectives are to produce graduates,
who after entering the construction management practice with a fundamental knowledge
of construction management principles and current technologies, communication skills
and practical construction experience, will:
1. Provide substantial contributions to the construction industry
2. Pursue life-long learning through continuing education and/or advanced degrees
in construction management or other related fields.
3. Continue to develop professionally through participation in professional
organizations and/or participation in professional development activities in the industry.
4. Progress toward professional certifications.
Program Strategic Goals
In addition to the above Program Educational Objectives and the 20 Student Learning
Outcomes, the CM Program has established the following 5 Strategic Goals:
G1. Integration of current technologies into the CM curriculum – The achievement of
this goal will be measured by the number and extent that information technology is
integrated into the CM curriculum. Appropriate software will be identified and integrated
into current courses.
G2. Continuous enhancement of the quality of undergraduate program – The
achievement of this goal will be measured by the implementation of our continuous quality
improvement plan.
G3. Professional development of faculty – The achievement of this goal will be
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Program Learning Outcomes
The CM Program adopted the ACCE-Student Learning Outcomes as the Program Learning
Outcomes, which have been linked to the Course Learning Outcomes/Objectives of all CEM
courses. Specifically, the CEM courses in Construction category have the learning outcomes
that address the ACCE-Student Learning Outcomes including the following abilities:

1. Create written communications appropriate to the construction discipline.
2. Create oral presentations appropriate to the construction discipline.
3. Create a construction project safety plan
4. Create construction project cost estimates.
5. Create construction project schedules.
6. Analyze professional decisions based on ethical principles.
7. Analyze construction documents for planning and management of construction
processes.
8. Analyze methods, materials, and equipment used to construct projects.
9. Understand construction management skills as a member of a multi-disciplinary team.
10. Apply electronic-based technology to manage the construction process.
11. Apply basic surveying techniques for construction layout and control
12. Understand different methods of project delivery and the roles and responsibilities of
all constituencies involved in the design and construction process
13. Understand construction risk management.
14. Understand construction accounting and cost control.
15. Understand construction quality assurance and control.
16. Understand construction project control processes.
17. Understand the legal implications of contract, common, and regulatory law to manage
a construction project
18. Understand the basic principles of sustainable construction.
19. Understand the basic principles of structural behavior.
20. Understand the basic principles of mechanical, electrical and piping systems.