



TARLETON CONSTRUCTION SCIENCE & MANAGEMENT		TARLETON STATE UNIVERSITY CONSTRUCTION SCIENCE AND MANAGEMENT PROGRAM ASSESSMENT		
<b>MISSION:</b> The mission of the Construction Science and Management program is to achieve a regionally and nationally recognized, student-focused, and industry-oriented construction program that provide graduates with knowledge and skills in management and supervisory professions that are valued by the construction industry.				
PROGRAM LEARNING OUTCOME/ OBJECTIVES	KEY PERFORMANCE MEASURE/CRITERIA	ASSESSMENT METHOD/ INSTRUMENT	RESULTS/ANALYSIS	ACTION & FOLLOW UP
<b>Objective 1:</b> <i>Students will demonstrate the capacity to manage complex construction projects including the bidding, contracting, and implementation phase within an interdisciplinary team environment.</i>	<b>Key Performance Measure:</b> Supervisory feedback from internship/employer supervisors.  <b>Target:</b> 70% will receive a satisfactory rating or above from the supervisor – rated as a 3 or above on the 1 to 5 Likert Scale with 1 being Poor and 5 being Excellent	Supervisor/Employer Feedback Survey - CNST 4395	<b>2020</b> <ul style="list-style-type: none"><li>- Adaptability, Appearance, Attitude, Quality of Work, and Academically Prepared are the traits scored the highest rating of at least 4.7 (5 being Excellent).</li><li>- 100% of the students received satisfactory rating or having an average rating of 4.47 in the Likert Scale.</li><li>- It was observed by supervisors that they showed lack of blueprint reading skills.</li></ul> <b>MET target goal.</b>	<ul style="list-style-type: none"><li>- Continue to monitor and conduct site visits to follow up progress and identify areas of concern.</li><li>- Continue to require students to prepare both written and oral reports to further improve communication skills.</li><li>- Enhance blueprint reading skills by integrating in estimating classes and reinforcing in BIM class.</li></ul>
	<b>Key Performance Measure:</b> Alumni Feedback Survey  <b>Target:</b> Average Rating of the ACCE SLO’s of 70% or above of Somewhat Agree and Agree on the Likert scale.	Alumni Feedback Survey	<b>2021</b> <ul style="list-style-type: none"><li>- 2021 Alumni Survey revealed that 94% of Alumni rated at least Somewhat Agree and Agree on the ACCE SLO’s perception of achieving the SLO’s.</li></ul> <b>MET target goal.</b>	<ul style="list-style-type: none"><li>- Continue to follow up with alumni and conduct alumni survey at least every three years.</li><li>- Continue to maintain a graduate tracking data base within the program to track alumni.</li><li>- Continue to enhance course offerings in the program to keep abreast of the industry needs and requirements as well as to conform with the ACCE standard requirements.</li></ul>
<b>Objective 2:</b> <i>Students will demonstrate technical competence in the tools and processes required in the construction field to perform field operations and management.</i>	<b>Key Performance Measure:</b> Project submission from capstone course – CNST 4395 Capstone project  <b>Target:</b> 70% will receive a rating of 80/100 or above in student capstone project report/packet.	Capstone Final Packet - CNST 4395 A comprehensive final packet is required to be submitted prior to Oral Presentation.	<b>2020</b> <ul style="list-style-type: none"><li>- 100% of the students completed the capstone with a grade 80% or above.</li></ul> <b>MET target goal.</b>	<ul style="list-style-type: none"><li>- Continue to monitor and conduct site visits to follow up progress and identify areas of concern.</li><li>- Continue to require students to prepare both written and oral reports to further improve communication skills.</li></ul>
	<b>Key Performance Measure:</b> Supervisory feedback from internship/employer supervisors – CNST 4395  <b>Target:</b> 70% will receive a satisfactory rating or above from the supervisor – rated as a 3 or above on the 1 to 5 Likert Scale with 1 being Poor and 5 being Excellent	Supervisor/Employer Feedback Survey - CNST 4395	<b>2020</b> <ul style="list-style-type: none"><li>- 100% of the students received satisfactory rating or having an average rating of 4.47 in the Likert Scale.</li></ul> <b>MET target goal.</b>	<ul style="list-style-type: none"><li>- Continue to provide students the right tools and equipment for all classes with lab components and allow them to demonstrate technical competence and mastery of the common tools used in the industry.</li></ul>
	<b>Key Performance Measure:</b> Alumni perception on the ACCE SLO’s  <b>Target:</b> Average Rating of the ACCE SLO of 70% or above of Somewhat Agree and Agree on the	Alumni Feedback Survey	<b>2021</b> <ul style="list-style-type: none"><li>- 2021 Alumni Survey revealed that 94% of Alumni rated at least Somewhat Agree and Agree on the ACCE SLO’s perception on achieving the SLO’s.</li></ul>	<ul style="list-style-type: none"><li>- Continue to follow up with alumni and conduct alumni survey at least every three years.</li><li>- Continue to maintain a graduate tracking data base within the program to track alumni.</li></ul>

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	Likert scale with 1 being Agree and 5 being Disagree		<b>MET target goal.</b>	<ul style="list-style-type: none"><li>- Continue to enhance course offerings in the program to keep abreast of the industry needs and requirements as well as to conform with the ACCE standard requirements.</li></ul>
	<b>Key Performance Measure:</b> Current Student Perception on the ACCE SLO’s.  <b>Target:</b> Average Rating of the ACCE SLO’s of 70% or above of Somewhat Agree and Agree on the Likert scale.	Student Feedback Survey	<b>2021</b> <ul style="list-style-type: none"><li>- 2021 Student Feedback Survey indicated that 86% of Junior and Senior students ranked the ACCE SLO’s perception of at least somewhat agree to agree on achieving the SLO’s.</li></ul> <b>MET target goal.</b>	<ul style="list-style-type: none"><li>- Continue to enhance course material in every course in the program to better prepare our students in the real world by integrating current trends and technology commonly used in the construction industry.</li></ul>
<b>Objective 3:</b> <i>Students will demonstrate an ability to communicate effectively both orally and written in a professional environment.</i>	<b>Key Performance Measure:</b> Project presentation and report from capstone course – CNST 4395 Capstone project  <b>Target:</b> 70% will receive a rating of 80/100 or above in student capstone project report/presentation.	Oral Presentation in Capstone Class – CNST 4395	<b>2020</b> <ul style="list-style-type: none"><li>- 100% of the students completed the capstone and successfully presented their field experience with a grade of 80% or above.</li></ul> <b>MET target goal.</b>	<ul style="list-style-type: none"><li>- Continue to require students to prepare both written and oral reports to further improve communication skills.</li><li>- Provide opportunity for mockup interviews in capstone class to improve oral communication and social skills.</li></ul>
	<b>Key Performance Measure:</b> Alumni perception on the ACCE SLO’s.  <b>Target:</b> Average Rating of the ACCE SLO of 70% or above of Somewhat Agree and Agree on the Likert scale.	Alumni Feedback Survey	<b>2021</b> <ul style="list-style-type: none"><li>- 2021 Alumni Survey revealed that 94% of Alumni rated at least Somewhat Agree and Agree on the ACCE SLO’s perception on achieving the SLO’s.</li></ul> <b>MET target goal.</b>	<ul style="list-style-type: none"><li>- Continue to follow up with alumni and conduct alumni survey at least every three years.</li><li>- Continue to maintain graduate tracking data base within the program to track alumni.</li><li>- Continue to enhance course offerings in the program to keep abreast of the industry needs and requirements as well as to conform with the ACCE standard requirements.</li></ul>
<b>Objective 4:</b> <i>Students will demonstrate continued growth in professional knowledge, lifelong learning and service to profession, industry, and community.</i>	<b>Key Performance Measures:</b> Student involvement in professional organization’s student chapters.  <b>Target:</b> 70% of students in the program are members of professional organizations’ student chapter.	Student Roster or Membership in NAHB or AGC Student Chapter	<ul style="list-style-type: none"><li>- There are 20 active members of the NAHB and AGC student chapters.</li></ul> <b>NOT MET target goal.</b>	<ul style="list-style-type: none"><li>- Student officers of the organization need to develop strategies to encourage students to get involve with the organization.</li><li>- Intensify student members recruitment through various activities such as Student Roundup, class to class announcement and recruitment, setting up sign-up table in the hallway, etc.</li></ul>

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	<b>Key Performance Measures:</b> Alumni professional advancement through seminars, conference, training, continuing education, or graduate studies.  <b>Target:</b> 70% of surveyed alumni attend professional advancements through seminars, conference, training, continuing education, or graduate studies.	Alumni Feedback Survey	<b>2021</b> <ul style="list-style-type: none"><li>2021 Alumni Survey revealed 100% of alumni attended or participated in some sort of professional advancement through seminars, conference, training, continuing education, or graduate studies.</li></ul> <b>MET target goal.</b>	<ul style="list-style-type: none"><li>Encourage alumni to continue attending professional development by sending frequent emails or messages on possible educational or professional advancement.</li><li>Continue to follow up with alumni and conduct alumni survey at least every three years.</li><li>Continue to maintain graduate tracking data base within the program to track alumni.</li></ul>
<b>Objective 5:</b> <i>Students will achieve recognition and/or compensation consistent with their educational achievements.</i>	<b>Key Performance Measure:</b> Employment of graduates <b>Target:</b> 70% of graduates receive a job offer before or within three months after graduation.	Graduate Exit Survey	<b>2021</b> <ul style="list-style-type: none"><li>92% of May 2021 graduates received job offers before or three months after their graduation. The average salary is \$ 61,628.00</li></ul> <b>MET target goal.</b>	<ul style="list-style-type: none"><li>Continue to create relationship with companies and networking that allows opportunity for student placement both internship and employment.</li></ul>
	<b>Key Performance Measure:</b> Employment of Alumni  <b>Target:</b> 70% of surveyed alumni are employed at least Assistant Superintendent, Field Engineer, or Project Engineer level position.	Alumni Feedback Survey	<b>2021</b> <ul style="list-style-type: none"><li>2021 Alumni survey indicated that 90% of alumni are employed in one of the following positions: Assistant Superintendent, Field Engineer, Superintendent, Project Engineer, Precon Coordinator, Assistant PM, or PM.</li></ul> <b>MET target goal.</b>	<ul style="list-style-type: none"><li>Offer guidance and supports to newly graduate in the program as they start or begin their professional career.</li><li>Continue to follow up with alumni and conduct alumni survey at least every three years.</li><li>Continue to maintain graduate tracking data base within the program to track alumni.</li></ul>
	<b>Key Performance Measure:</b> Employment Salary  <b>Target:</b> 70% of surveyed alumni are employed in the construction industry with annual salary of at least \$50,000 or higher.	Alumni Feedback Salary	<b>2021</b> <ul style="list-style-type: none"><li>2021 Alumni survey shows that 83% of alumni have an annual salary of \$50,000 or higher.</li></ul> <b>MET target goal.</b>	<ul style="list-style-type: none"><li>Offer guidance and supports to newly graduate in the program as they start or begin their professional career.</li><li>Continue to follow up with alumni and conduct alumni survey at least every three years.</li><li>Continue to maintain graduate tracking data base within the program to tracking alumni.</li></ul>