

Construction Technology (AAS) BroncoCollect Assessment Report

Assessment Cycle 2018 - 2021

Table of Contents (*links to pages embedded in each bullet*)

- Mission
- Goal 1 – Students will be able to effectively communicate
- Goal 2 – Students will be able to understand basic project controls
- Goal 3 – Students will understand the industries latest technologies through course projects and laboratories
- Goal 4 – Students will understand basic construction contracts, codes, regulations and ethics
- Goal 5 – Students will understand basic construction methods, materials, equipment and safety
- Goal 6 – Successfully re-new 2 yr ACCE Accreditation (Operational)
- Goal 7 – Continue faculty engagement in professional development in construction related activities
- Goal 8 – Upon graduation, students will be prepared for a professional construction-based career or transfer into 4yr construction program
- Goal 9 – Continually grow industry connections for student internships, full-time employment and fundraising opportunities
- Goal 10 – Modernize facilities, laboratory & course equipment and safety standards to industry standard and beyond

Mission

Consistent with SUNY Delhi's mission, the Construction Technology program provides students with hands - on, experiential learning that focuses on commercial, residential, heavy/civil, and industrial construction. The program combines a mixture of construction, architecture, engineering, business and liberal arts & science coursework. The program fully prepares students in the most modern techniques of "Means and Methods" including: construction materials, basic structural theory, environmental and power systems, materials testing, surveying, field supervision, project management, and contemporary topics such as LEED or sustainable applications.

	Students will be able to effectively communicate.		
	Continue to reiterate the importance of written & oral communication through assignments and feedback to students.	CNST 270: With benchmark of 70% achieved (87%), major changes not necessary for improvement.	CNST 150: Poor Soil Reports. Tried partial submissions so not due all at once. Will tweak the partial submission dates. 1.1.2 - No Change
	Will be implementing the action plans showing specifically how and if specific coursework can create action for implementation in the following academic year.	CNST 270: With benchmark of 70% achieved (87%), major changes not necessary for improvement.	CNST 150: Poor Soil Reports. Tried partial submissions so not due all at once. Will tweak the partial submission dates.
	Benchmark: 70% Meeting or Exceeding	Direct/Indirect: Direct	
	Number Assessed: 33 Exceeding: 9 % Meeting: 64% Approaching: 15% Not Meeting: 12%	Number Assessed: 40 Exceeding: 20 % Meeting: 33% Approaching: 25% Not Meeting: 22%	Number Assessed: 33 Exceeding: 15 % Meeting: 34% Approaching: 15% Not Meeting: 36%
	Benchmark: 70% Meeting or Exceeding	Direct/Indirect: Direct	
	Not Meeting: 0%Approaching: 6%Meeting: 77%Exceeding: 17%	Number Assessed: 37 Exceeding: 14 % Meeting: 73% Approaching: 11% Not Meeting: 3%	Number Assessed: 39 Exceeding: 5 % Meeting: 82% Approaching: 8% Not Meeting: 5%

Goal 2	Students will be able to understand basic project controls.		
	2018-19	2019-20	2020-21
Outcome 2.1	SLO 2.1 & 2.2: Demonstrate the ability to estimate quantities and costs for the bidding process in a construction project. Introductory ACCE SLO #2		
Action Plan	CNST 260 - Students meeting goals, will continue with current approach.	CNST 260 - Students meeting goals, will continue with current approach.	Work with colleagues on using consistent templates in all related courses, 2.1.2 - CNST 260 - No changes to direct measure document.
Update to Prior Year's Action Plan	Continue current implementation	CNST 260 - Students meeting goals, will continue with current approach.	No changes.
Measure 2.1.1	Introductory (2.1) CNST 150 - Heavy/Civil Construction: Basic Quantity Estimating 10 homework assignments ACCE SLO #2		
Benchmark Indirect/Direct	Benchmark: 70% Meeting or Exceeding	Direct/Indirect: Direct	
Assessment Results	Number Assessed: 33 Exceeding: 15 % Meeting: 33% Approaching: 30% Not Meeting: 21%	Number Assessed: 40 Exceeding: 0 % Meeting: 40% Approaching: 20% Not Meeting: 40%	Number Assessed: 33 Exceeding: 52 % Meeting: 21% Approaching: 12% Not Meeting: 15%
Measure 2.1.2	Advanced (2.2) CNST 260 - Construction Estimating & Planning: Final Exam ACCE SLO #2		
Benchmark Indirect/Direct	Benchmark: 70% Meeting or Exceeding	Direct/Indirect: Direct	
Assessment Results	Number Assessed: 37 Exceeding: 19 % Meeting: 54% Approaching: 8% Not Meeting: 19%	Number Assessed: 35 Exceeding: 34 % Meeting: 37% Approaching: 14% Not Meeting: 13%	Number Assessed: 30 Exceeding: 27 % Meeting: 43% Approaching: 27% Not Meeting: 3%
Outcome 2.2	SLO 3.1 & 3.2: Demonstrate the ability to schedule a basic construction project. ACCE SLO #3		
Action Plan	CNST 260 - Students meeting goals, will continue with current approach.	CNST 260 - Students meeting goals, will continue with current approach.	2.2.1: 41% < 70%: CNST 210: Poor or missing homework submissions Covid didn't help things but will still push students to do their homework. 2.2.2 - CNST 260 - No changes to direct measure document.
Update to Prior Year's Action Plan	Continue current implementation	FALSE	
Measure 2.2.1	Introductory (3.1) CNST 210 – Basic construction schedule creation for laboratory mock-ups &/or lecture case studies. ACCE SLO #3		
Benchmark Indirect/Direct	Benchmark: 70% Meeting or Exceeding	Direct/Indirect: Direct	
Assessment Results	Number Assessed: 27 Exceeding: 19 % Meeting: 56% Approaching: 19% Not Meeting: 7%	Number Assessed: 31 Exceeding: 23 % Meeting: 45% Approaching: 19% Not Meeting: 13%	Number Assessed: 31 Exceeding: 6 % Meeting: 35% Approaching: 19% Not Meeting: 39%
Measure 2.2.2	Advanced (3.2) CNST 260 - Construction Estimating & Planning: Scheduling Laboratory Exercise & Final Project ACCE SLO #3		
Benchmark Indirect/Direct	Benchmark: 70% Meeting or Exceeding	Direct/Indirect: Direct	
Assessment Results	Not Meeting: 7% Approaching: 0% Meeting: 41% Exceeding: 53% Meeting or Exceeding: 93% Scheduling labs have been developed to be entry level walk through labs to establish a comfort level with the software. A large portion of the group Not Meeting was due to not turning in the assignment and receiving a zero.	Number Assessed: 17 Exceeding: 38 % Meeting: 59% Approaching: 3% Not Meeting: 0%	Number Assessed: 30 Exceeding: 67 % Meeting: 30% Approaching: 0% Not Meeting: 3%
Outcome 2.3	SLO 5.1 Interpret construction documents (contracts, specifications, and drawings) used in managing a construction project. Residential ACCE SLO #5		
Action Plan	Use of new book and implementation of this through ARCH 120 was a success	Gary Comments (ARCH 120) Due to the online format, several students did not hand in assignments after face-to-face meetings were terminated. Students were not prepared to work remotely. Even so, 68% Exceeded or met the benchmark. Blaze Comments (ARCH 120) Combined data of Gary and Blaze yields 76% exceeded or met the criteria.	2.3.2 - Met benchmark, no changes
Update to Prior Year's Action Plan	Will continue current implementation.	FALSE	No changes.
Measure 2.3.1	ARCH 110-Computer-Aided Residential Drawing: Drawing assignments ACCE SLO #5		
Benchmark Indirect/Direct	Benchmark: 70% Meeting or Exceeding	Direct/Indirect: Direct	
Assessment Results	Number Assessed: 37 Exceeding: 6 % Meeting: 62% Approaching: 24% Not Meeting: 8%	Number Assessed: 38 Exceeding: 3 % Meeting: 63% Approaching: 24% Not Meeting: 11%	
Measure 2.3.2	ARCH 120-Architectural Graphics Generate and interpret residential construction drawings Laboratory Assignments & Quizzes ACCE SLO #5		

Benchmark Indirect/Direct	Benchmark: 70% Meeting or Exceeding	Direct/Indirect: Direct	
Assessment Results	Number Assessed: 30 Exceeding: 37 % Meeting: 53% Approaching: 7% Not Meeting: 0%	Number Assessed: 37 Exceeding: 27 % Meeting: 49% Approaching: 11% Not Meeting: 13%	Number Assessed: 17 Exceeding: 29 % Meeting: 41% Approaching: 24% Not Meeting: 6%
Outcome 2.4	SLO 5.2 Interpret construction documents (contracts, specifications, and drawings) used in managing a construction project. Commercial ACCE SLO #5		
Action Plan	Will maintain rigor of homework for all drawing courses as well as continue to help the students.		Re-establish communication with ARCH faculty on common areas of drawing & mockup exercises.
Update to Prior Year's Action Plan	Continue current implementation	FALSE	No changes.
Measure 2.4.1	CNST 210: Plans & Spec worksheets; Mock-up execution to reinforce assignment ARCH 220: Drawing assignments/quizzes Results are combined with ARCH 220, as these 2 c		
Benchmark Indirect/Direct	Benchmark: 70% Meeting or Exceeding	Direct/Indirect: Direct	
Assessment Results	Number Assessed: 24 Exceeding: 4 % Meeting: 59% Approaching: 29% Not Meeting: 8%	Number Assessed: 57 Exceeding: 9 % Meeting: 63% Approaching: 18% Not Meeting: 11%	Number Assessed: 57 Exceeding: 11 % Meeting: 47% Approaching: 18% Not Meeting: 25%
Measure 2.4.2	CNST 210: Plans & Spec worksheets; Mock-up execution to reinforce assignment ARCH 220: Drawing assignments/quizzes Results are combined with ARCH 220, as these 2 c		
Benchmark Indirect/Direct	Benchmark: 70% Meeting or Exceeding	Direct/Indirect: Direct	
Assessment Results	Number Assessed: 52 Exceeding: 23 % Meeting: 54% Approaching: 12% Not Meeting: 11%	Number Assessed: 57 Exceeding: 9 % Meeting: 63% Approaching: 18% Not Meeting: 11%	
Outcome 2.5	SLO 6 Apply basic principles of construction accounting. ACCE SLO #6		
Action Plan	Continue current implementation within CNST 270	CNST 270: With benchmark of 70% achieved (73%), major changes not necessary for improvement. CNST 295: Since this was unable to be assessed this year due to Covid we may need to find another assignment spring 2021 if we are not in an in-person setting.	2.5.1 - Fall semester was substantially better results with same content. Will evaluate how to improve outcome. 2.5.2: Met Goals
Update to Prior Year's Action Plan	Continue current implementation		
Measure 2.5.1	CNST 270 - Construction Law & Contracting Project cash flow & invoicing. Homework & Final exam ACCE SLO #6		
Benchmark Indirect/Direct	Benchmark: 70% Meeting or Exceeding	Direct/Indirect: Direct	
Assessment Results	Not Meeting: 23% Approaching: 13% Meeting: 38% Exceeding: 26%	Number Assessed: 37 Exceeding: 38 % Meeting: 35% Approaching: 11% Not Meeting: 16%	Number Assessed: 39 Exceeding: 15 % Meeting: 46% Approaching: 13% Not Meeting: 26%
Measure 2.5.2	CNST 295 – Design-Build I Capstone project budgeting invoice tracking group project		
Benchmark Indirect/Direct	Benchmark: 70% Meeting or Exceeding	Direct/Indirect: Direct	
Assessment Results	Number Assessed: 32 Exceeding: 72 % Meeting: 12% Approaching: 0% Not Meeting: 16%	Since the project could not be completed due to COVID-19 this was not assessed this year.	Number Assessed: 28 Exceeding: 86 % Meeting: 11% Approaching: 4% Not Meeting: 0%

Goal 3	Students will understand the industries latest technologies through course projects and laboratories.		
	2018-19	2019-20	2020-21
Outcome 3.1	SLO 4 Demonstrate the ability to use current technology related to the construction process.ACCE SLO #4		
Action Plan	Continue current implementation within CNST 110	CNST 110 - Met 58%. Very close to the 60% goal. Freshman class where terminology is often a stumbling block. In the future, I will spend more time emphasizing terminology at the start/end of lessons. CNST 295- 100% met the goal of becoming procore certified (project management software in industry use). No change to this plan.	3.1.1 - meat goal, not changes 3.1.2 - Met benchmark, no changes
Update to Prior Year's Action Plan	Continue current implementation		
Measure 3.1.1	CNST 295: Design Build I: Design, Estimating & Scheduling Execution of final hands on building project ACCE SLO #4		
Benchmark Indirect/Direct	Benchmark: 70% Meeting or Exceeding	Direct/Indirect: Direct	
Assessment Results	Number Assessed: 32 Exceeding: 53 % Meeting: 41% Approaching: 3% Not Meeting: 3%	Number Assessed: 24 Exceeding: 100 % Meeting: 100% Approaching: 0% Not Meeting: 0%	Number Assessed: 28 Exceeding: 90 % Meeting: 7% Approaching: 4% Not Meeting: 0%
Measure 3.1.2	CNST 110: Residential Building Systems I: Exams		
Benchmark Indirect/Direct	Benchmark: 60% Meeting or Exceeding	Direct/Indirect: Direct	
Assessment Results	Number Assessed: 71 Exceeding: 18 % Meeting: 34% Approaching: 18% Not Meeting: 30%	Number Assessed: 84 Exceeding: 18 % Meeting: 40% Approaching: 20% Not Meeting: 21%	Number Assessed: 67 Exceeding: 21 % Meeting: 51% Approaching: 13% Not Meeting: 15%
Outcome 3.2	SLO 7 (ACCE) Use basic surveying techniques used in building layout.ACCE SLO #7		
Action Plan	Continue current implementation through a required core course.	CNST 295- The students were able to demonstrate basic survey skills in both the mock-up and the actual project prior to COVID 19. That being said the project could not be completed and could not be fully evaluated.	No changes 3.2.2 - no changes
Update to Prior Year's Action Plan	Continue current implementation	FALSE	No changes.
Measure 3.2.1	CNST 160: Construction Surveying - Grades Consisting of:Tests/Quizzes/HomeworkField & lab Exercises ACCE SLO #7		
Benchmark Indirect/Direct	Benchmark: 70% Meeting or Exceeding	Direct/Indirect: Direct	
Assessment Results	Number Assessed: 33 Exceeding: 3 % Meeting: 42% Approaching: 45% Not Meeting: 9%	Number Assessed: 35 Exceeding: 0 % Meeting: 63% Approaching: 23% Not Meeting: 14%	Number Assessed: 32 Exceeding: 31 % Meeting: 44% Approaching: 3% Not Meeting: 22%
Measure 3.2.2	CNST 295: Design Build I: Execution of final hands-on building project		
Benchmark Indirect/Direct	Benchmark: 70% Meeting or Exceeding	Direct/Indirect: Direct	
Assessment Results	Number Assessed: 32 Exceeding: 84 % Meeting: 13% Approaching: 3% Not Meeting: 0%	Covid-19 prevented us from finish the project nothing to evaluate.	Number Assessed: 28 Exceeding: 90 % Meeting: 7% Approaching: 4% Not Meeting: 0%
Outcome 3.3	SLO 13 Recognize the basic principles of mechanical, electrical and plumbing systems.ACCE SLO #13		
Action Plan	Continue to teach concepts through a dedicated course MEP Systems	AECT 280: With benchmark of 70% achieved (79%), major changes not necessary for improvement.	3.3.1 - No Change 3.3.1 - No Change
Update to Prior Year's Action Plan	Continue current implementation		
Measure 3.3.1	AECT 280 – Mechanical, Electrical and Plumbing Systems exams ACCE SLO #13		
Benchmark Indirect/Direct	Benchmark: 70% Meeting or Exceeding	Direct/Indirect: Direct	
Assessment Results	Number Assessed: 39 Exceeding: 13 % Meeting: 56% Approaching: 26% Not Meeting: 5%	Number Assessed: 33 Exceeding: 6 % Meeting: 73% Approaching: 12% Not Meeting: 9%	Number Assessed: 39 Exceeding: 5 % Meeting: 77% Approaching: 13% Not Meeting: 5%
Measure 3.3.2	AECT 280 – Mechanical, Electrical and Plumbing Systems Labs		

Benchmark Indirect/Direct	Benchmark: 70% Meeting or Exceeding	Direct/Indirect: Direct	
Assessment Results	Number Assessed: 39 Exceeding: 56 % Meeting: 41% Approaching: 0% Not Meeting: 3%	Number Assessed: 33 Exceeding: 24 % Meeting: 55% Approaching: 21% Not Meeting: 0%	Number Assessed: 39 Exceeding: 26 % Meeting: 54% Approaching: 10% Not Meeting: 10%

Goal 4	Students will understand basic construction contracts, codes, regulations and ethics.		
	2018-19	2019-20	2020-21
Outcome 4.1	SLO 8 Discuss basic principles of ethics in the construction industry.ACCE SLO #8		
Action Plan	Continue current implementation	CNST 270: With benchmark of 70% achieved (81%), major changes not necessary for improvement. CNST 295: Due to the freedom to do or not to do a quiz many students did not complete all three quizzes leading to lower results than in past years. No change in plan since last year we met the goal.	4.1.1 - Poor results this year, however of the 20 students whom were approaching or not meeting standard, 13 did not turn in homework assignments which were part of assessment. Will do more to encourage completion of homework. 4.1.2-No change continue to use the book and quizzes.
Update to Prior Year's Action Plan	Continue current implementation		
Measure 4.1.1	CNST 270 - Construction Law & Contracting: Case Studies. Homework & Exams ACCE SLO #8		
Benchmark Indirect/Direct	Benchmark: 70% Meeting or Exceeding	Direct/Indirect: Direct	
Assessment Results	Number Assessed: 53 Exceeding: 0% Meeting: 77% Approaching: 0% Not Meeting: 23%	Number Assessed: 37 Exceeding: 16% Meeting: 65% Approaching: 5% Not Meeting: 14%	Number Assessed: 39 Exceeding: 5% Meeting: 41% Approaching: 26% Not Meeting: 28%
Measure 4.1.2	CNST 295: Design Build I: How to Win Friends & Influence People Quizzes ACCE SLO #8		
Benchmark Indirect/Direct	Benchmark: 70% Meeting or Exceeding	Direct/Indirect: Direct	
Assessment Results	Number Assessed: 32 Exceeding: 47% Meeting: 22% Approaching: 6% Not Meeting: 25%	Number Assessed: 11 Exceeding: 18% Meeting: 36% Approaching: 18% Not Meeting: 27%	Number Assessed: 28 Exceeding: 39% Meeting: 32% Approaching: 11% Not Meeting: 18%
Outcome 4.2	SLO 9.1 & 9.2 Identify the fundamentals of contracts, codes, and regulations that govern a construction project. ACCE SLO #9		
Action Plan	Continue to implement in CNST 110 & 270	CNST 110 - Since the quiz/exercise is timed, in the future I will allow more time for students to review the documents before taking the quiz. CNST 270: With benchmark of 70% achieved (75%), major changes not necessary for improvement.	4.2.1 - Met benchmark, no changes 4.2.2 - Just below the 70% goal at 67% meeting or exceeding. Of the 11 students whom did not meet the standard, 10 did not submit the homework assignment used to assess. Will work to encourage students to complete homework in future.
Update to Prior Year's Action Plan	Continue current implementation		
Measure 4.2.1	Introductory (9.1 - Codes) CNST 110 - Residential Building Systems I: Lectures & Assignments based on International Code Council documents. Code Assignments, online quiz		
Benchmark Indirect/Direct	Benchmark: 70% Meeting or Exceeding	Direct/Indirect: Direct	
Assessment Results	Number Assessed: 50 Exceeding: 46% Meeting: 30% Approaching: 14% Not Meeting: 10%	Number Assessed: 61 Exceeding: 15% Meeting: 43% Approaching: 38% Not Meeting: 5%	Number Assessed: 59 Exceeding: 58% Meeting: 32% Approaching: 2% Not Meeting: 8%
Measure 4.2.2	Advanced (9.2 - Contracts) CNST 270 - Construction Law & Contracting: AGC & AIA Construction Contract documents & industry regulations. Homework & Exams ACCE SLO #		
Benchmark Indirect/Direct	Benchmark: 70% Meeting or Exceeding	Direct/Indirect: Direct	
Assessment Results	Number Assessed: 53 Exceeding: 30% Meeting: 53% Approaching: 13% Not Meeting: 4%	Number Assessed: 37 Exceeding: 24% Meeting: 51% Approaching: 11% Not Meeting: 14%	Number Assessed: 39 Exceeding: 33% Meeting: 34% Approaching: 5% Not Meeting: 28%

Goal 5	Students will understand Basic Construction Methods, Materials, equipment and safety.		
	2018-19	2019-20	2020-21
Outcome 5.1	SLO 10.1 & 10.2: Construction Methods, Materials, & Equipment (Introductory)ACCE SLO #10		
Action Plan	Continue to implement in AECT 110	AECT 110- 69% meeting or exceeding. No change in plan.	5.1.1-No changes 5.1.2: 62%,70% Poor or missing homework/lab submissions. Will continue to tell students to do their homework.
Update to Prior Year's Action Plan	Continue current implementation	FALSE	No changes.
Measure 5.1.1	Introductory (10.1)AECT 110 - Construction Materials: Final Exam ACCE SLO #10		
Benchmark Indirect/Direct	Benchmark: 70% Meeting or Exceeding	Direct/Indirect: Direct	
Assessment Results	Number Assessed: 35 Exceeding: 3 % Meeting: 57% Approaching: 20% Not Meeting: 20%	Number Assessed: 39 Exceeding: 15 % Meeting: 54% Approaching: 23% Not Meeting: 8%	Number Assessed: 34 Exceeding: 8 % Meeting: 62% Approaching: 21% Not Meeting: 9%
Measure 5.1.2	Advanced (10.2)CNST 210 - Commercial & Heavy Construction: Implementation of mock-up construction. Lab Participation ACCE SLO #10		
Benchmark Indirect/Direct	Benchmark: 70% Meeting or Exceeding	Direct/Indirect: Direct	
Assessment Results	Number Assessed: 29 Exceeding: 10 % Meeting: 66% Approaching: 77% Not Meeting: 17%	Number Assessed: 31 Exceeding: 13 % Meeting: 71% Approaching: 10% Not Meeting: 6%	Number Assessed: 32 Exceeding: 9 % Meeting: 53% Approaching: 19% Not Meeting: 19%
Outcome 5.2	SLO 11 Recognize basic safety hazards on a construction site and standard prevention measures.ACCE SLO #11		
Action Plan	Continue current implementation through a required core course TECH 115	TECH 115- The students will be obtaining their OSHA 30 cards via an authorized online training program not SUNY Delhi this year due to COVID-19.	5.2.2-No changes 5.2.1- No changes
Update to Prior Year's Action Plan	Continue current implementation		
Measure 5.2.1	TECH 115: OSHA 30. Exams (Students who pass course receive OSHA 30 Hour Certification ACCE SLO #11		
Benchmark Indirect/Direct	Benchmark: 80% Meeting or Exceeding	Direct/Indirect: Direct	
Assessment Results	Number Assessed: 22 Exceeding: 0 % Meeting: 95% Approaching: 0% Not Meeting: 5%	Covid-19 combined with the RIT OSHA outreach program did not make it possible to complete this course.	Number Assessed: 28 Exceeding: 0 % Meeting: 93% Approaching: 0% Not Meeting: 7%
Measure 5.2.2	CNST 295: Design Build I: Risk analysis & safety planning of capstone hands on project		
Benchmark Indirect/Direct	Benchmark: 80% Meeting or Exceeding	Direct/Indirect: Direct	
Assessment Results	Number Assessed: 31 Exceeding: 31 % Meeting: 41% Approaching: 28% Not Meeting: 0%	Duplicate from the 4 year plan not assessing twice. To be eliminated next year.	Number Assessed: 28 Exceeding: 86 % Meeting: 11% Approaching: 4% Not Meeting: 0%
Outcome 5.3	SLO 12 Recognize the basic principles of structural design.ACCE SLO #12		
Action Plan	Continue current implementation through a required core course AECT 150		More "Cone of Silence" exercises !
Update to Prior Year's Action Plan	Continue current implementation	FALSE	No changes.
Measure 5.3.1	AECT 150: Statics & Strengths of Materials: Tests/Quizzes/Homework - Structural Analysis w/ emphasis on Load TracingCorrelation ACCE SLO #12		
Benchmark Indirect/Direct	Benchmark: 70% Meeting or Exceeding	Direct/Indirect: Direct	
Assessment Results	Number Assessed: 67 Exceeding: 12 % Meeting: 54% Approaching: 31% Not Meeting: 3%	Number Assessed: 15 Exceeding: 31 % Meeting: 56% Approaching: 6% Not Meeting: 6%	Number Assessed: 24 Exceeding: 25 % Meeting: 50% Approaching: 13% Not Meeting: 13%
Measure 5.3.2	AECT 150: Statics & Strengths of Materials: Tests/Quizzes/Homework -correlating strengths of materials with previous load trace analysis		

Benchmark Indirect/Direct	Benchmark: 70% Meeting or Exceeding	Direct/Indirect: Direct	
Assessment Results	Number Assessed: 29 Exceeding: 40 % Meeting: 55% Approaching: 3% Not Meeting: 2%	Number Assessed: 16 Exceeding: 31 % Meeting: 56% Approaching: 7% Not Meeting: 6%	Number Assessed: 24 Exceeding: 25 % Meeting: 50% Approaching: 13% Not Meeting: 13%

Goal 6	Successfully Re-new 2yr ACCE Accreditation (Operational)		
	2018-19	2019-20	2020-21
Outcome 6.1	Prepare and develop 2yr assessment SLO's using ACCE Standards.		
Action Plan	Continuing and preparing for visit.	Continuing and preparing for visit.	
Update to Prior Year's Action Plan	Continuing and preparing for visit.		
Measure 6.1.1	Complete Construction Technology AAS Assessment Plan		
Benchmark Indirect/Direct	Benchmark: Submission of Master Plan	Direct/Indirect: Direct	
Assessment Results	Completed & Submitted	Began and continuing.	Complete
Measure 6.1.2	Begin Assessment of ACCE SLO's		
Benchmark Indirect/Direct	Benchmark: Complete yearly assessment	Direct/Indirect: Direct	
Assessment Results	Complete yearly assessment		Complete
Outcome 6.2	Re-new 2 year ACCE accreditation for AAS degree.		
Action Plan			
Update to Prior Year's Action Plan			
Measure 6.2.1	Prepare for ACCE visit		
Benchmark Indirect/Direct	Benchmark: All necessary documents compiled.	Direct/Indirect: Indirect	
Assessment Results	Year 3	Scheduled for Spring 2021	Continue to work on for Fall 21 Visit
Measure 6.2.2	ACCE visit scheduled and complete		
Benchmark Indirect/Direct	Benchmark: Successfully accomplish 2 year renewal.	Direct/Indirect: Direct	
Assessment Results	Year 3		Fall 21 Scheduled

Goal 7	Continue faculty engagement in professional development in construction industry related activities .		
	2018-19	2019-20	2020-21
Outcome 7.1	Faculty participation in industry conferences, workshops presentations.		
Action Plan			
Update to Prior Year's Action Plan			
Measure 7.1.1	CT/CM faculty to participate in (1) or more industry conferences, workshops and/or presentations.		
Benchmark Indirect/Direct	Benchmark: 100% Participation by faculty	Direct/Indirect: Direct	
Assessment Results	Year 2	Some attended many were scheduled in Spring and cancelled due to COVID-19	Postponed due to COVID, looking into potential virtual sessions offered.
Measure 7.1.2	CT/CM faculty to present to colleagues their experience at industry event.		
Benchmark Indirect/Direct	Benchmark: 100% Participation by faculty	Direct/Indirect: Direct	
Assessment Results	Year 2	Some attended many were scheduled in Spring and cancelled due to COVID-19	Postponed due to COVID, looking into potential virtual sessions offered.
Outcome 7.2	Faculty will obtain industry-related certifications.		
Action Plan			
Update to Prior Year's Action Plan			
Measure 7.2.1	CT/CM faculty to participate in (1) or more industry certifications and/or renewals		
Benchmark Indirect/Direct	Benchmark: 100% Participation by faculty	Direct/Indirect: Direct	
Assessment Results	Year 3	OSHA 500 completed by Faculty Member Blaze Cordaro	Postponed due to COVID, looking into potential virtual sessions offered.
Measure 7.2.2	CT/CM faculty to present to colleagues their certification experience		
Benchmark Indirect/Direct	Benchmark: 100% Participation by faculty.	Direct/Indirect: Direct	
Assessment Results	Year 3		Postponed due to COVID, looking into potential virtual sessions offered.

Goal 8	Upon graduation, students will be prepared for a professional construction based career or transfer into 4yr construction program.		
	2018-19	2019-20	2020-21
Outcome 8.1	Students will successfully graduate and transfer into a 4 year program or obtain jobs in the construction industry.		
Action Plan			
Update to Prior Year's Action Plan			
Measure 8.1.1	Graduation Rates		
Benchmark Indirect/Direct	Benchmark: 80% graduation rate	Direct/Indirect: Direct	
Assessment Results	Year 3		Will calculate after May 21
Measure 8.1.2	Job placement & transfer data. ACCE exit surveys & transfer data		
Benchmark Indirect/Direct	Benchmark: 100% student graduates employed in construction careers or transferred to 4 year program.	Direct/Indirect: Direct	
Assessment Results	Year 3		Will calculate after May 21

Goal 9	Continually grow industry connections for student internships, full-time employment and fundraising opportunities.		
	2018-19	2019-20	2020-21
Outcome 9.1	Maintain & grow industry connections for guest presentations & student employment.		
Action Plan		Many guest presenters came to campus and also for employment purposes, COVID -19 cancelled many planned visitations.	
Update to Prior Year's Action Plan			
Measure 9.1.1	Develop internship/full-time company employment database		
Benchmark Indirect/Direct	Benchmark: Database operational 2020.	Direct/Indirect: Direct	
Assessment Results	Year 2		Will calculate after May 21
Measure 9.1.2	CT/CM Faculty to continue and create new connections with industry		
Benchmark Indirect/Direct	Benchmark: Participation by faculty	Direct/Indirect: Indirect	
Assessment Results	Year 2		Many new connections made, Excel database with multiple programatic information being developed in order to include these connections.
Outcome 9.2	Faculty and staff to continue and develop ways of programmatic fundraising.		
Action Plan	Continue to implement fundraising golf tournament & reaching out to suppliers for material donations		
Update to Prior Year's Action Plan	Continue current implementation		
Measure 9.2.1	Continue and expand annual fundraising golf tournament.		
Benchmark Indirect/Direct	Benchmark: Host annual fundraising golf tournament.	Direct/Indirect: Direct	
Assessment Results	Tournament completed and successful.		Postponed due to COVID, tentativley scheduled for Spring 21
Measure 9.2.2	CT/CM faculty to continue reaching out to suppliers/construction firms for material/laboratory equipment/sample and monetary donations.		
Benchmark Indirect/Direct	Benchmark: Participation by faculty.	Direct/Indirect: Indirect	
Assessment Results	Some material donated.		Postponed due to COVID, tentativley scheduled for Spring 21

Goal 10	Modernize facilities, laboratory & course equipment and safety standards to industry standard and beyond.		
	2018-19	2019-20	2020-21
Outcome 10.1	Faculty and staff will engage in planning and prioritizing facility and educational equipment to industry standard and beyond.		
Action Plan	Through the new budget & planning process this has been integrated into our process through inventory, assessment of equipment & replacement schedules	Through the new budget & planning process this has been integrated into our process through inventory, assessment of equipment & replacement schedules	
Update to Prior Year's Action Plan	Through the new budget & planning process this has been integrated into our process through inventory, assessment of equipment & replacement schedules		
Measure 10.1.1	Develop facility & equipment prioritization for integration in program curricula.		
Benchmark Indirect/Direct	Benchmark: Integration of prioritization in programmatic budget & planning.	Direct/Indirect: Indirect	
Assessment Results	Created in new Budget & Planning Process	Integration of prioritization in programmatic budget & planning	Being done with Spring 21 budget submission
Measure 10.1.2	Develop software prioritization for integration in program curricula.		
Benchmark Indirect/Direct	Benchmark: Integration of prioritization in programmatic budget & planning and with CIS.	Direct/Indirect: Indirect	
Assessment Results	Created in Budget & Planning Process	Completed with budget packet. New software(s) obtained and worked with CIS on install.	All software currently in place, will continue to expand if industry drives a new change.