

<i>Subject Area Committee Name:</i> Architectural Design & Drafting	
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CTE SACs have the responsibility to assess their degree and certificate outcomes. Outcomes for each degree and certificate can be found [here](#).

In the table below, list each outcome, all the relevant degree(s)/certificate(s), the Core Outcome(s) each maps to, and the schedule for summary data assessment*. If you have questions about how to complete the form, consult the Help Guide to Completing the Multi-Year Assessment Plan for CTE 2013-2014, or consult with your LAC coach.

We recognize some SACs have more outcomes than can realistically be comprehensively assessed on a two-year cycle. If this is the case for your SAC, contact your LAC coach to develop an alternative assessment cycle.

*Summary data is defined as the information relevant to understanding student outcome attainment (e.g., totals, averages, percentages, etc.) for all the degree/certificate outcomes assessed that year. This data can come from various types of assessments (e.g., TSAs, external exams/assessments, internal exams/assessments, and employer assessments).

‡PCC Core Outcomes Codes

Communication (C) Cultural Awareness (CA) Community and Environmental Responsibility (C&ER) Professional Competence (PC) Self Reflection (SR) Critical Thinking and Problem Solving (CT&PS)

Multi-Year Plan

The expectation is that most SACs will be able to complete their outcome assessment cycle in two years and then repeat the cycle. If your SAC needs more time, please consult with your coach to work out an alternate plan (4 years probably representing the maximum length), and add more columns for the additional years. (These plans may need to be reviewed and corrected after two years.)

Outcome (add additional rows if required)	Applicable Degree(s)/ Certificate(s)	Core Outcome Code(s) ‡	TSA*	Every Year	2013-2014	2014-2015
Student Learning Outcome 1: Design a residential or small commercial building responsive to site conditions, user requirements, codes and construction standards, and aesthetic considerations. Aligns with College Core Outcomes: 1-Communication, 2-Community and Environmental Responsibility, 3-Critical Thinking and Problem Solving, 4-Cultural Awareness, 5-Professional Competence and 6-Self-Reflection Strategies in place to assess this outcome: Work is assessed measuring students' ability to match industry norms, practices and methods. Rubrics, markups of drawing sets and presentations are used to assess student work.	AAS in Architectural Design & Drafting	C, C&ER, CT&PS, CA, PC, SR	F			
Student Learning Outcome 2: Produce architectural drawings using a range of computer-aided drafting software. Select and recommend building systems, structural systems, construction materials, and structural components responsive to the building's design. Aligns with College Core Outcomes: 1-Communication and 5-Professional Competence Strategies in place to assess this outcome: Work is assessed measuring students' ability to master software and understand building and structural systems. Feedback from colleagues, tests and design reviews are used to assess student work.	AAS in Architectural Design & Drafting	C, PC	P	X		

<p>Student Learning Outcome 3: Produce a set of construction documents that describe the construction requirements for a building, using accepted industry practices.</p> <p>Aligns with College Core Outcomes: 1-Communication, 3-Critical Thinking and Problem Solving and 5-Professional Competence</p> <p>Strategies in place to assess this outcome: Work measures students' abilities to match industry norms, practices and methods. A common graphic language based on industry standards is taught.</p>	AAS in Architectural Design & Drafting	C, CT&PS, PC	F			
<p>Student Learning Outcome 4: Communicate with design professionals, clients, and engineers, using industry specific terminology and graphics.</p> <p>Aligns with College Core Outcomes: 1-Communication and 6-Self-Reflection</p> <p>Strategies in place to assess this outcome: Students collaborate with professionals in many courses, and learn specific terminology and graphic methods. Designs and projects are reviewed and assessed, and the workplace loop of designer/draftsperson is closely approximated.</p>	AAS in Architectural Design & Drafting	C, SR		X		
<p>Student Learning Outcome 5: Complete all phases of the design and documentation process with consideration of its impact on the natural environment.</p> <p>Aligns with College Core Outcomes: 2-Community and Environmental Responsibility and 4-Cultural Awareness</p> <p>Strategies in place to assess this outcome: Students incorporate energy efficiency and sustainability into their designs. Designs are tested for performance through energy modeling; students compare their building's performance to industry norms and benchmarks.</p>	AAS in Architectural Design & Drafting	C&ER, CA		X		
<p>Student Learning Outcome 1: Design a residential building responsive to site conditions, user requirements, codes and construction standards, and aesthetic considerations.</p> <p>Aligns with College Core Outcomes: 1-Communication, 2-Community and Environmental Responsibility, 3-Critical Thinking and Problem Solving, 4-Cultural Awareness, 5-Professional Competence and 6-Self-Reflection</p> <p>Strategies in place to assess this outcome: Work is assessed measuring students' ability to match industry norms, practices and methods. Rubrics, markups of drawing sets and presentations are used to assess student work.</p>	AAS in Architectural Design & Drafting: Residential	C, C&ER, CT&PS, CA, PC, SR	F			

<p>Student Learning Outcome 2: Produce architectural drawings using manual and computer-aided drafting.</p> <p>Aligns with College Core Outcomes: 1-Communication and 5-Professional Competence</p> <p>Strategies in place to assess this outcome: Work is assessed measuring students' ability to master software and understand building and structural systems. Feedback from colleagues, tests and design reviews are used to assess student work.</p>	AAS in Architectural Design & Drafting: Residential	C, PC	P	X		
<p>Student Learning Outcome 3: Select and recommend building systems, structural components, construction and finish materials, and lighting responsive to a residential building's design and interior systems.</p> <p>Aligns with College Core Outcomes: 1-Communication, 3-Critical Thinking and Problem Solving and 5-Professional Competence</p> <p>Strategies in place to assess this outcome: Work measures students' abilities to match industry norms, practices and methods. A common graphic language is taught.</p>	AAS in Architectural Design & Drafting: Residential	C, CT&PS, PC	P	X		
<p>Student Learning Outcome 4: Produce a set of construction documents that describe the construction requirements for a residential building, using accepted industry practices.</p> <p>Aligns with College Core Outcomes: 1-Communication, 3-Critical Thinking and Problem Solving and 5-Professional Competence</p> <p>Strategies in place to assess this outcome: Work measures students' abilities to match industry norms, practices and methods. A common graphic language is taught.</p>	AAS in Architectural Design & Drafting: Residential	C, CT&PS, PC	F			
<p>Student Learning Outcome 5: Communicate with design professionals, clients, and engineers, using industry specific terminology and graphics.</p> <p>Aligns with College Core Outcomes: 1-Communication and 6-Self-Reflection</p> <p>Strategies in place to assess this outcome: Students work with actual clients and respond to their needs. Designs are assessed through feedback from the client, with instructor and classmate input along the way. This is the truest appropriation of the designer/client experience we can create.</p>	AAS in Architectural Design & Drafting: Residential	C, SR		X		

*TSA Column: If this outcome is fully assessed by a TSA, mark 'F' (fully) here. Mark 'P' if a TSA partially assesses this outcome and indicate in the appropriate column when the other aspects of the outcome will be assessed. Leave this cell blank if a TSA is not used with this outcome.