

# CTE Minimum Qualifications General Education Equivalency Worksheet

In a traditional Associate of Arts or Associate of Science degree, a student must complete a minimum of 60 semester (90 quarter) units. Of the total units required for a degree, at least 18 semester (27 quarter) units of general education coursework are required, in addition to meeting competency requirements in written expression and mathematics and at least 18 semester (27 quarter) units of major preparation (Title 5 §55063). The major prep units generally are not in question for equivalency requests in CTE disciplines, but the need to meet all general education areas may be in question when coursework has not been completed.

The 18 units of general education are expected in the follow areas (Title 5 &55063 (b)(1)):

Description	Evidence/Documentation
<p><b>A. Natural Sciences</b>            Courses in the natural sciences are those that examine the physical universe, its life forms, and its natural phenomena. To satisfy the general education requirement in natural sciences, a course shall be designed to help the student develop an appreciation and understanding of the scientific method and encourage an understanding of the relationships between science and other human activities (Title 5 §55063 (b)(1)(A)). This category would include introductory or integrative courses in astronomy, biology, chemistry, general physical science, geology, meteorology, oceanography, physical geography, physical anthropology, physics and other scientific disciplines.</p>	

Description	Evidence/Documentation
<p><b>B. Social and Behavioral Sciences</b>            Courses in the social and behavioral sciences are those which focus on people as members of society. To satisfy the general education requirement in social and behavioral sciences, a course shall be designed to develop an awareness of the method of inquiry used by the social and behavioral sciences. It shall be designed to stimulate critical thinking about the ways people act and have acted in response to their societies and should promote appreciation of how societies and social subgroups operate (Title 5 §55063 (b)(1)(B)). This category would include introductory or integrative survey courses in cultural anthropology, cultural geography, economics, history, political science, psychology, sociology and related disciplines.</p>	
<p><b>C. Humanities</b>            Courses in the humanities are those that study the cultural activities and artistic expressions of human beings. To satisfy the general education requirement in the humanities, a course shall be designed to help the student develop an awareness of the ways in which people throughout the ages and in different cultures have responded to themselves, and the world around them, in artistic and cultural creation and help the student develop aesthetic understanding and an ability to make value judgments (Title 5 §55063 (b)(1)(C)). Such courses could include introductory or integrative courses in the arts, foreign languages, literature, philosophy, and religion.</p>	

Description	Evidence/Documentation
<p><b>D.1. Language and Rationality: English Composition</b> Courses in language and rationality are those that develop for the student the principles and applications of language toward logical thought, clear and precise expression and critical evaluation of communication in whatever symbol system the student uses (Title 5 §55063 (b)(1)(D)). Such courses shall include both expository and argumentative writing.</p>	
<p><b>D.2. Language and Rationality: Communication and Analytical Thinking</b> Courses in language and rationality are those that develop for the student the principles and applications of language toward logical thought, clear and precise expression and critical evaluation of communication in whatever symbol system the student uses (Title 5 §55063 (b)(1)(D)). Such courses shall include Intermediate Algebra or another mathematics course at the same level, with the same rigor and with Elementary Algebra as a prerequisite.</p>	

## Ethnic Studies Requirement and Competency in Written Expression and Mathematics

Description	Evidence/Documentation
<p><b>Ethnic Studies (if not met in areas B or C)</b> Ethnic Studies must be addressed in general education (Title 5 §55063 (b)(2))</p> <p>Document evidence, if not already an Ethnic Studies requirement that has not been met in Areas B or C</p>	
<p><b>Competency: Written Expression (if not met in Area D.1.)</b> Competence in written expression shall be demonstrated by obtaining a satisfactory grade in an English course at the level of the course typically known as Freshman Composition. Satisfactory completion of an English course at the level of Freshman Composition shall satisfy both this competency requirement and the Area D.1. Language and Rationality: English Composition coursework requirement (Title 5 §55063).</p> <p>Document evidence, if competency in written expression is not already met in area D.1.</p>	

Description	Evidence/Documentation
<p><b>Competency: Mathematics</b> (if not met in Area D.2.) Competence in mathematics shall be demonstrated by obtaining a satisfactory grade in a mathematics course at the level of the course typically known as Intermediate Algebra (either Intermediate Algebra or another mathematics course at the same level, with the same rigor and with Elementary Algebra as a prerequisite, approved locally). Satisfactory completion of a mathematics course at the level of Intermediate Algebra shall satisfy both this competency requirement and the Area D.2 Language and Rationality: Communication and Analytical Thinking coursework (Title 5 §55063).</p> <p>Document evidence, if competency in mathematics is not already met in area D.2.</p>	

