

**Highlights from the Arts & Sciences Tutoring Program Assessment
2012-2013 Academic Year**

Tutoring program participants (defined as students who attended Arts & Sciences Tutoring at least three times in a semester) did not significantly differ in their course grades than non-tutoring participants. However, participants in the program had significantly lower CDHE index scores than those who did not participate.

When CDHE index was controlled for (isolating the impact tutoring participation has on course grade) tutoring participation was shown to significantly increase student's course grades.

	Tutoring Participants	Non-Tutoring Participants	<i>d</i>
Average Course Grade	2.47	2.43	.04
Average Index	114.73	117.04	.20

Does participation in the Arts & Sciences Tutoring program predict a higher course grade after controlling for academic preparation (CDHE index)?

Yes. Participation in the tutoring program significantly predicts a higher course grade (about **.17 course grade point increase**) than those students who did not participate in the tutoring program.

Tutoring participants received significantly higher course grades (after controlling for CDHE index) in the following courses: ANEQ 230, CHEM 111, CHEM 113, CHEM 341, CHEM 343, ECON 202, MATH 155, MATH 340, PH 121, PH 122, and PH 141.

Individual Course Successes:

- CHEM 341: tutored students have an average increase of .38 points after controlling for student's index.
- CHEM 343: tutored students have an average increase of .65 points after controlling for student's index.
- PH 122: tutored students have an average increase of .44 points after controlling for student's index.
- MATH 155: tutored students have an average increase of .46 after controlling for student's index.
- MATH 340: tutored students have an average increase of 1.25 after controlling for student's index.

*The admission index is a standard developed by the Colorado Department of Higher Education (CDHE). It is derived using the components of high school work (GPA and/or rank) and standard test scores, and is therefore used as a predictor of academic success at the University.

Student Perceptions of the Arts & Sciences Tutoring Program

- 87% of participants felt that their tutor presented information clearly.
- 92% of participants felt that their tutor was approachable and friendly.
- 80% of participants agreed that the tutoring program increased their confidence in their ability to succeed in the subject on their own.

Student Comments:

- All the tutors really help me understand what I'm doing by teaching me how to approach problems rather than show us how to get an answer.
- Always helpful. They make sure to pay attention to everyone and make contact with anyone who is at their table. Great tutors.
- (Tutor) Is patient and will not give up on any student
- He really helps us to understand where things come from and why we solve a problem the way that we do.
- They help in every way possible and if I pass this class, it's totally because of them. I've never struggled so hard in any course, but they can make things clear in a few moments...They give me the confidence to get through the problems.
- I really appreciate the tutors energy and willingness throughout the evening.
- All of the tutors I visited were EXTREMELY helpful in furthering my knowledge of the topics and confidence in these areas.