


**SUCCESS STRATEGIES FOR
STUDENTS WITH LEARNING AND
ATTENTION CHALLENGES IN STEM
COURSES**
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WHAT IS STEM

- o Science, Technology, Engineering, and Math
- o Example majors
- o Why it's important
- o STEM class in the general education curriculum



STEM FUN FACTS

- o Approximately 375,100 students with learning and attention challenges attend some form of post secondary education
 - 312,200 of those students attended a Community College
 - 125,000 attended a 4yr college or university



Correlations with attendance and income, especially for university attendance

Correlation with high school grades and attendance

Two bar charts are displayed. The left chart, titled 'Correlation with high school grades and attendance', shows the count of students for various high school grades received for completion. The right chart, titled 'Correlation with household income', shows the count of students for various household income brackets. Both charts compare 'No' (dark bars) and 'Yes' (light bars) categories.

60,163 students with LD or attention challenges enroll in STEM majors

Community College
4-year College or University

A bar chart comparing enrollment in various STEM majors between Community College (dark bars) and 4-year College or University (light bars). The y-axis represents the count, ranging from 0 to 50,000. The x-axis lists STEM majors: art/culture, animal/human & veterinary science, computer science, environmental/biotechnology, engineering, health care, mathematics/sciences, and science.

SUCCESS RATES

Semester Persistence Rates for:

College and University

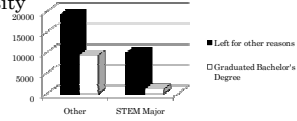
College and University

Community College

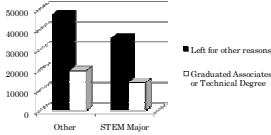
Two bar charts showing semester persistence rates. The top chart is for 'College and University' (STEM_4U) and the bottom chart is for 'Community College' (STEM_CC). Both charts show the count of students for various semester persistence rates (0.0 to 1.0).

SUCCESS RATES

- Graduation Rates for STEM students at College or University



- Graduation rates for STEM majors at Community College



RESEARCH

- Lots of smarts stuff



CAMPUS SUPPORT

- Departmental tutoring for math and science courses
- Think Tank tutoring center
- Faculty Fellows
- Living Learning Communities
- Specialized Advising
- STEM committee
- Disability Resource Center



SUPPORTS FOR STUDENTS WITH LEARNING AND ATTENTION CHALLENGES

- S.A.L.T. Center
 - What is SALT
 - What do we do
- Support for students in STEM courses
 - SALT numbers
 -
 - STEM supports in place
 - Tutoring, Weekly Intensive Study Session, Group Reviews, Workshops, Strategic Learning Specialist, STEM Resource Fliers



STRATEGIES FOR WORKING WITH STUDENTS

- Positive Advising
- Strategies
 - Time Management
 - Note Taking
 - Concept Cards
 - Memorization
 - Managing Stress and Anxiety
 - Test Taking
 - Exam Error Monitoring



VIGNETTES

- Work in small groups to develop a plan to support this student
 - What resources are available?
 - What strategies would you use with them?
 - What would your conversations look like with that student?
 - How would you support this student?