

# STEM STARTER ACADEMY

## Statewide

STEM Starter Academy is a state-funded initiative to inform, engage, recruit, retain, and graduate significantly more students in STEM at all 15 community colleges.

### Program Goals:

1. To graduate more community college students with STEM degrees and certificates, prepared to enter the workforce or transfer to a four-year institution.
2. To recruit more students into the STEM pipeline at the community colleges.

### For More Information:

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## At North Shore Community College



## STEM Starter Academy

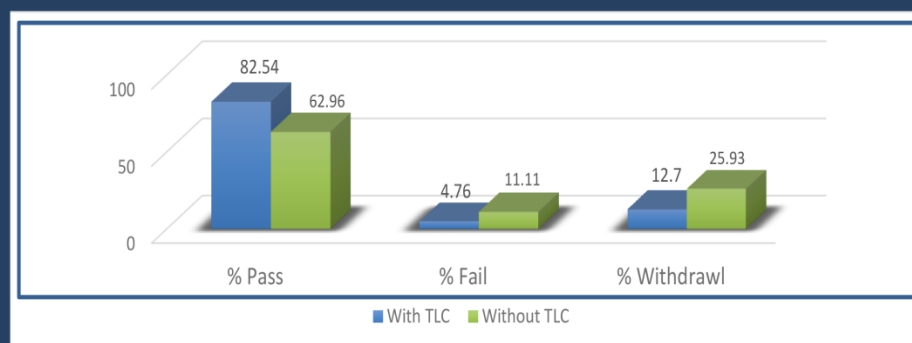
North Shore Community College's strength is building regional partnerships to recruit students into the STEM Pipeline and help them succeed with wrap around supports.

At NSCC 235 students have benefitted from the Academy, successfully completing 555 credits and saving them over \$100,000 in tuition and fees for their future programs. Courses included: General Chemistry, Anatomy & Physiology, Introduction to Biology, Pre-calculus I, Calculus I, Information Technology & Its Applications and Computer Programing (JAVA).

- Summer 2014: 32 students took Introduction to Engineering; 87% C+ or better
- Fall 2014: 71 students took 1 of 7 courses offered; 83% C or better
- Spring 2015: 104 students taking 1 of 17 courses offered; 68% C or better \*
- Summer 2015: 28 students took 1 of 7 courses offered; 89% C or better

We also link our challenging STEM courses with successful peers (**Tutor-linked courses TLC**) to help students study.

Results from TLC course General Chemistry (seen left) showed an increase in the percentage of students passing and a decrease in the number of student withdrawals.



For more information, please contact **Frederick Miranda**, STEM Starter Academy Coordinator, e-mail: [fmiranda@northshore.edu](mailto:fmiranda@northshore.edu) or phone: (978)762-4000 ext. 2139 OR **Laura Rubin**, Asst. Dean of STEM and Education, e-mail: [lrubin@northshore.edu](mailto:lrubin@northshore.edu) or phone: (978) 762-4048.

## Statewide

Key highlights from the first two years of the statewide STEM Starter Academy program:

More than **10,000 students**  
directly participated

Another **20,000 students**  
participated in recruitment events  
and information sessions

SSA population reflects the overall demographics  
of the community colleges:

**12% African American**

**14% Latino/a**

**51% Female**

SSA students are more likely to  
**enroll full time**  
compared to general community college students

**75% of SSA students**  
who completed developmental math in summer 2015  
enrolled in college-level math in fall 2015

**70% of**  
**degrees & certificates**  
earned by SSA students are in STEM