

# Relationships in Science Education



Edmonds Community College | Lynnwood, WA  
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## Goals

### The RiSE Project aims to...

- Increase the **number** of STEM students graduating and transferring
- Increase the **diversity** among STEM majors, graduates, and transfers
- Increase the **successful progression** of STEM majors through gateway STEM courses

## Strategies



Students

Faculty

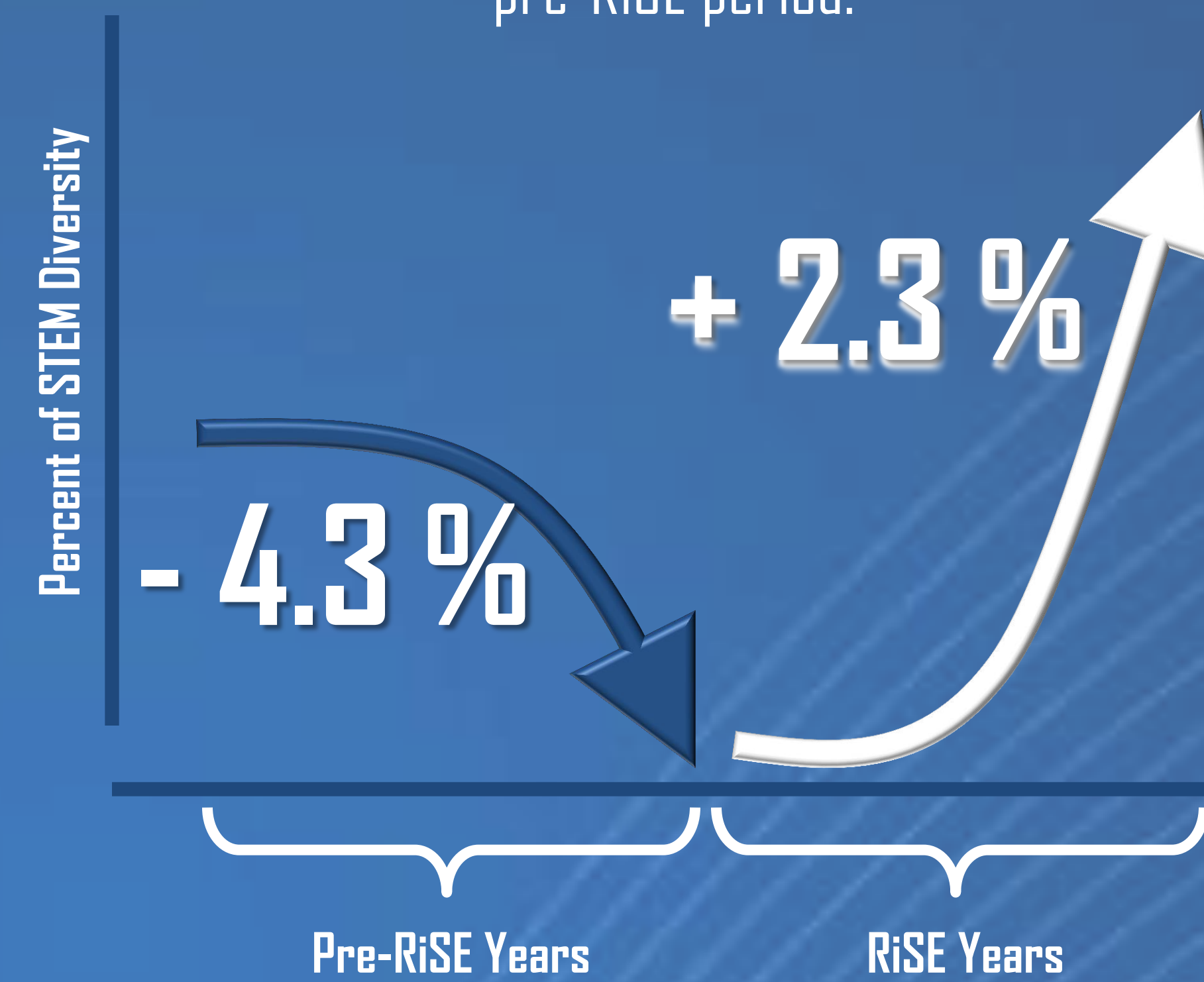
Community

- Curricular Redesign
- High School Outreach
- Service-Learning
- Field Trips
- Transfer Workshops
- Career Panels
- Social Events
- Study Room & Tutoring
- Advising
- Undergraduate Research
- STEMinar Courses

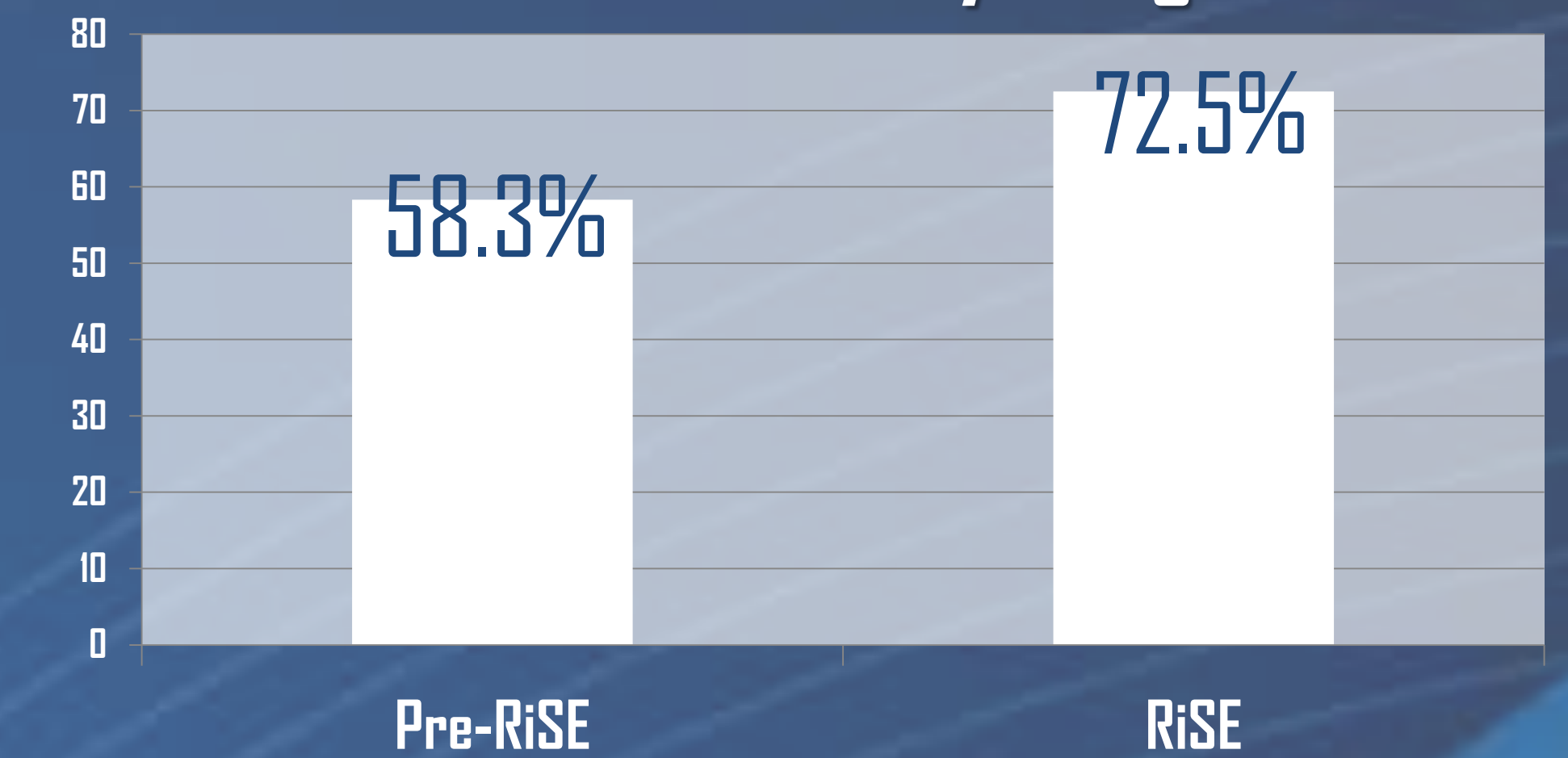
## Progress & Impact

### STEM Diversity Trend

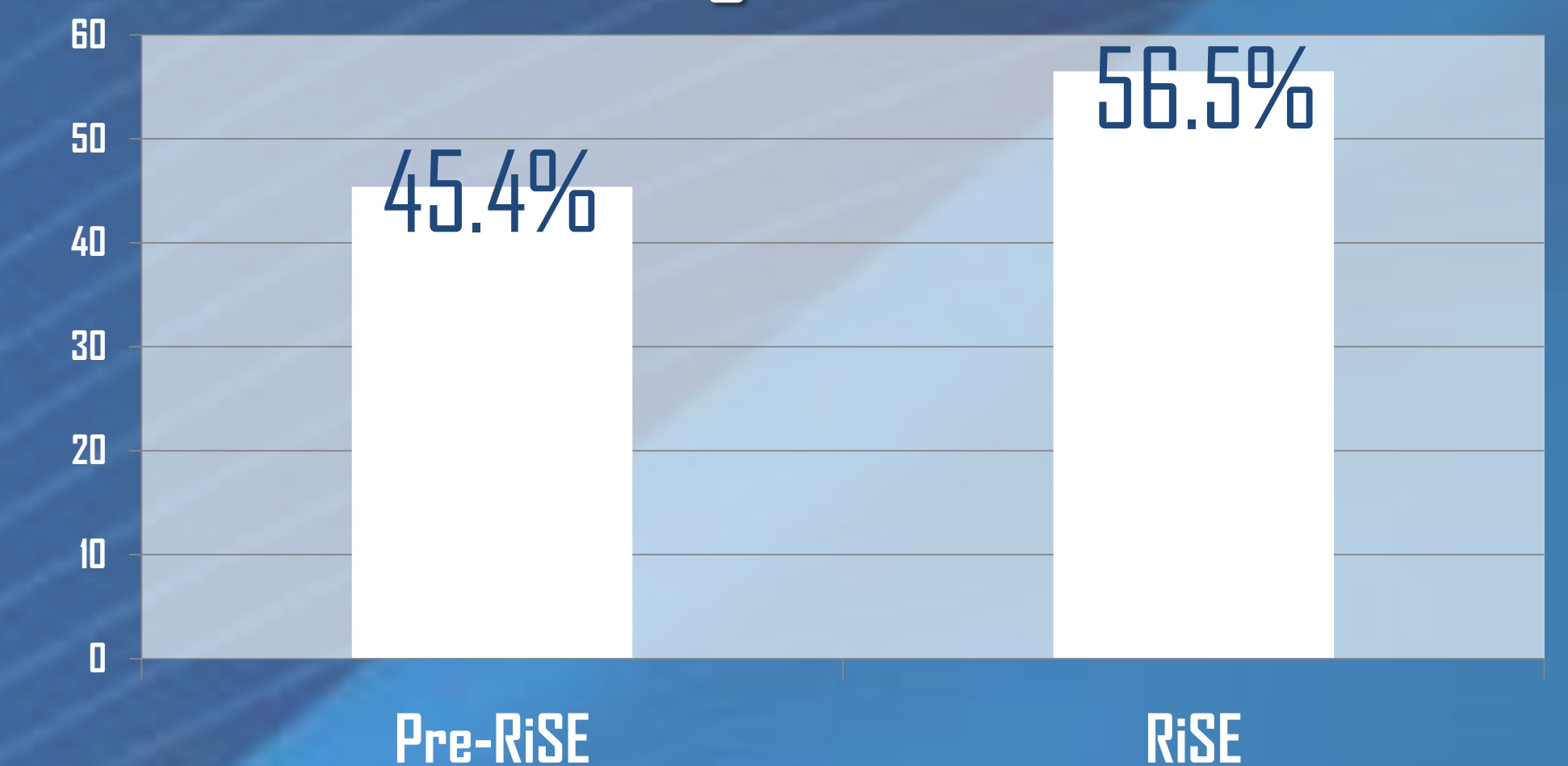
In the 3 years prior to RiSE, the diversity of STEM students decreased; however, since RiSE began, the diversity has steadily increased and has demonstrated a reversal of the trend present in the pre-RiSE period:



### Successful Chemistry Progression



### Successful Progression in Calculus I-II



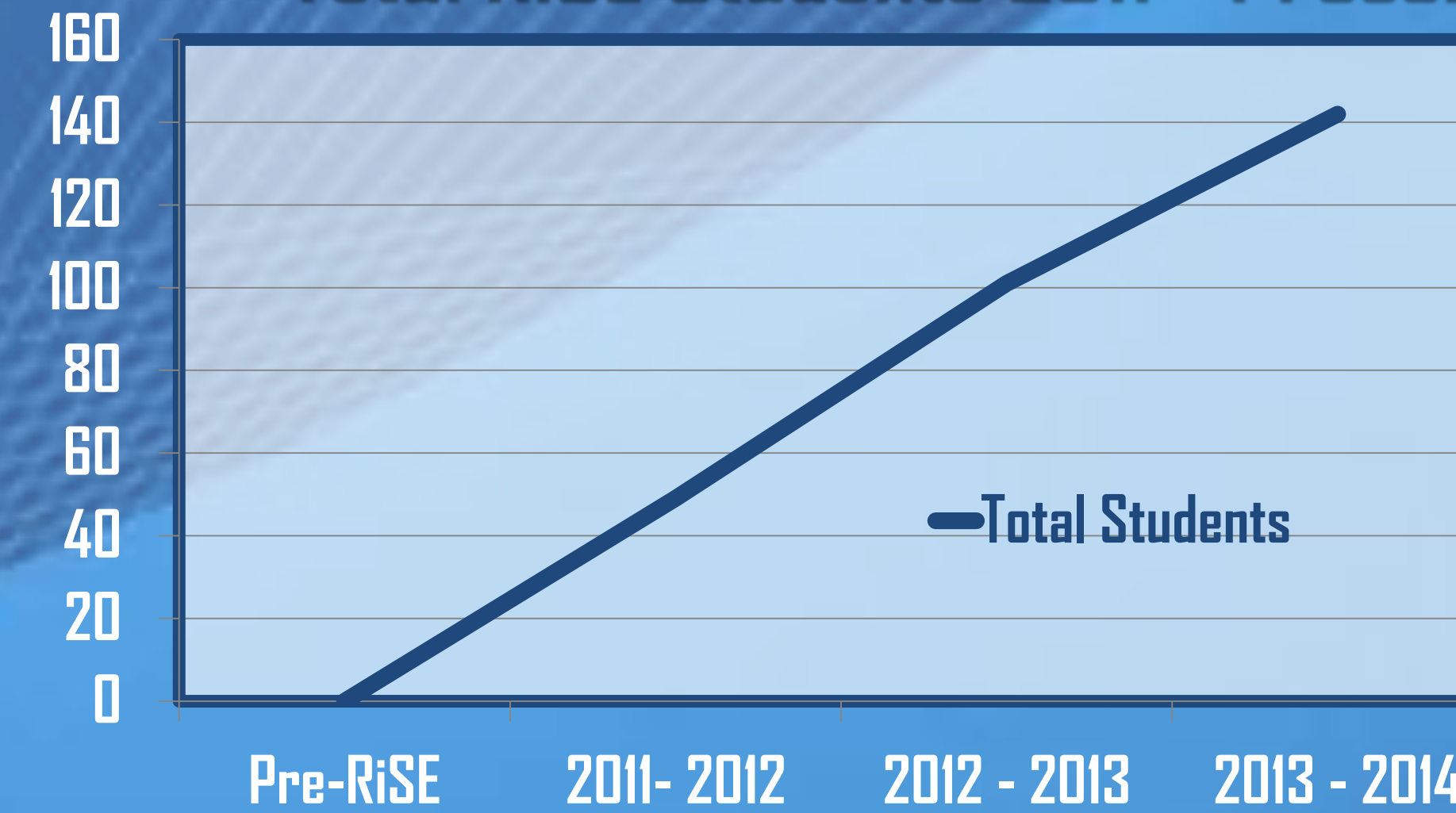
"[RiSE] tutoring made me feel less isolated and anxious and provided the foundation for me to do better academically" - Current RiSE Scholar

The RiSE Project fosters meaningful relationships among STEM students, between STEM students & faculty, among STEM faculty, and with our community.

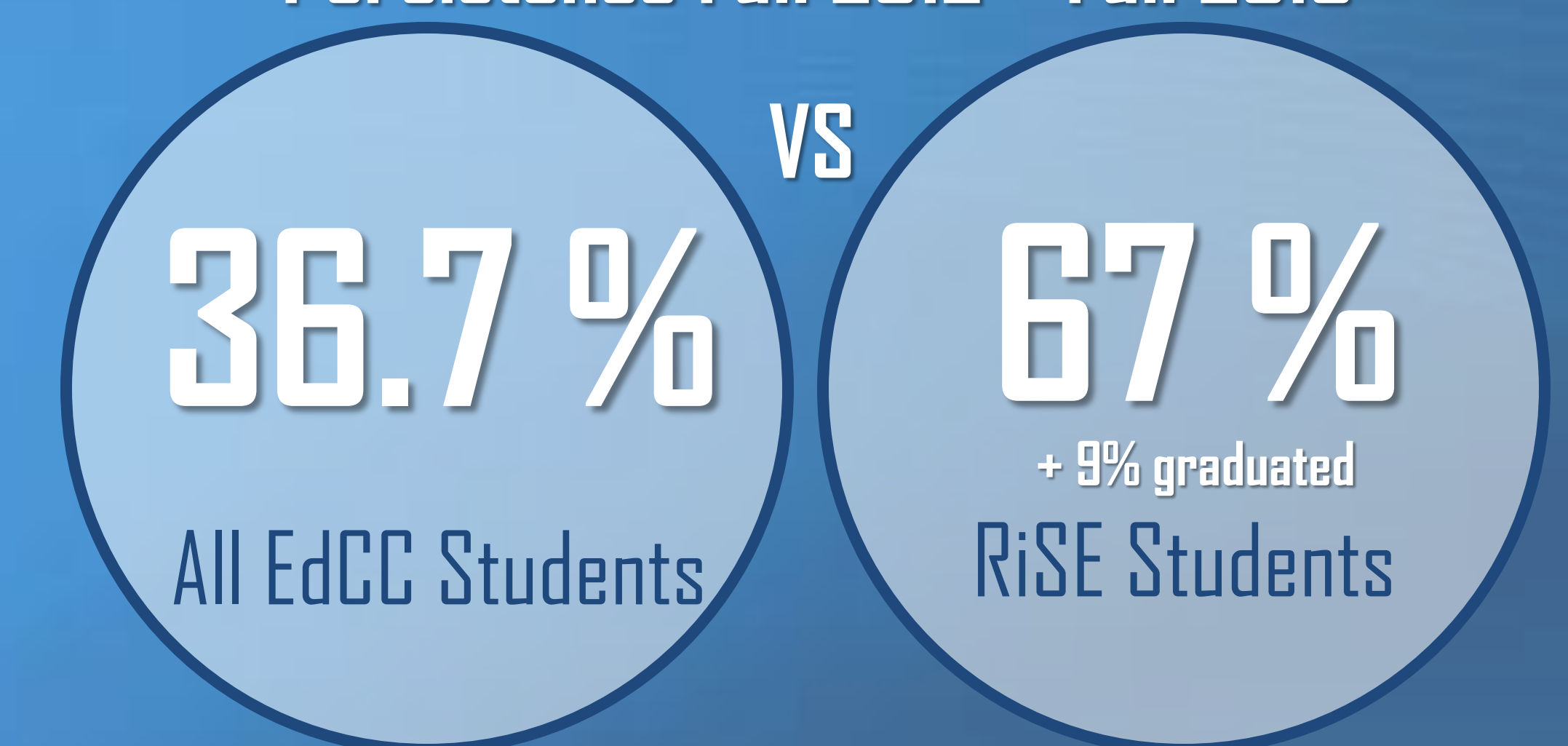
## Challenges

- Identifying our STEM students for assessment and interventions
- Sustainability of project director and institutionalizing project components
  - Having a dedicated RiSE study room

### Total RiSE Students 2011 - Present



### Persistence Fall 2012 - Fall 2013



"Because [RiSE advisors] were serious about my education... I felt more focused on my future" - Current RiSE Scholar

[www.edcc.edu/RiSE](http://www.edcc.edu/RiSE) | [RiSE@edcc.edu](mailto:RiSE@edcc.edu)

