

## *State Board for Community and Technical Colleges*



*December 6, 2007*

# Why the need to improve student success?



## Washington's Demographic Trends Affecting its Workforce in the next 2 Decades:

- More than 1/3 of Washingtonians (1.4 million people) have no formal education beyond high school
- Over the next 10 years, the largest and fastest growing age group is adults 25 to 35, who are already in the workforce and will continue to be in the workforce for the next 30 years.
- Over the next 2 decades, fewer young adults will be entering the workforce and more older, well-educated adults will be leaving.
- Over the next 15 years, the population increase by people of color will equal the increase in the white population.

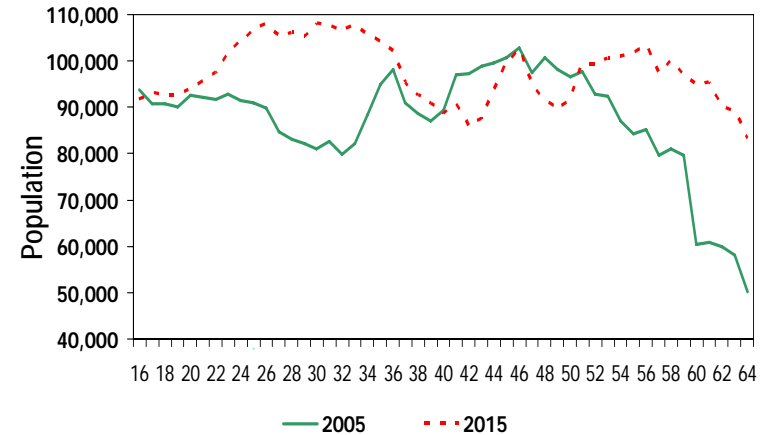
## Demographic Trends and Global Competition Mean:

- Businesses will demand higher knowledge and skills to meet competitive challenges.
- Washington will have an older, more diverse future population.
- The state must increase options for working adults to add skills and earn degrees
- The state must improve educational attainment among undereducated adults to meet the knowledge and skills demanded by its economy.

## SBCTC Responds with Ten Year Goals:

- **Economic Demand:** Strengthen state and local economies by meeting the demands for a well educated and skilled workforce
- **Student Success:** Achieve increased educational attainment for all residents across the state
- **Innovation:** Use technology, collaboration and innovation to meet the demands of the economy and improve student success

## Washington State Population Most growth in adults 25-35 and over 50



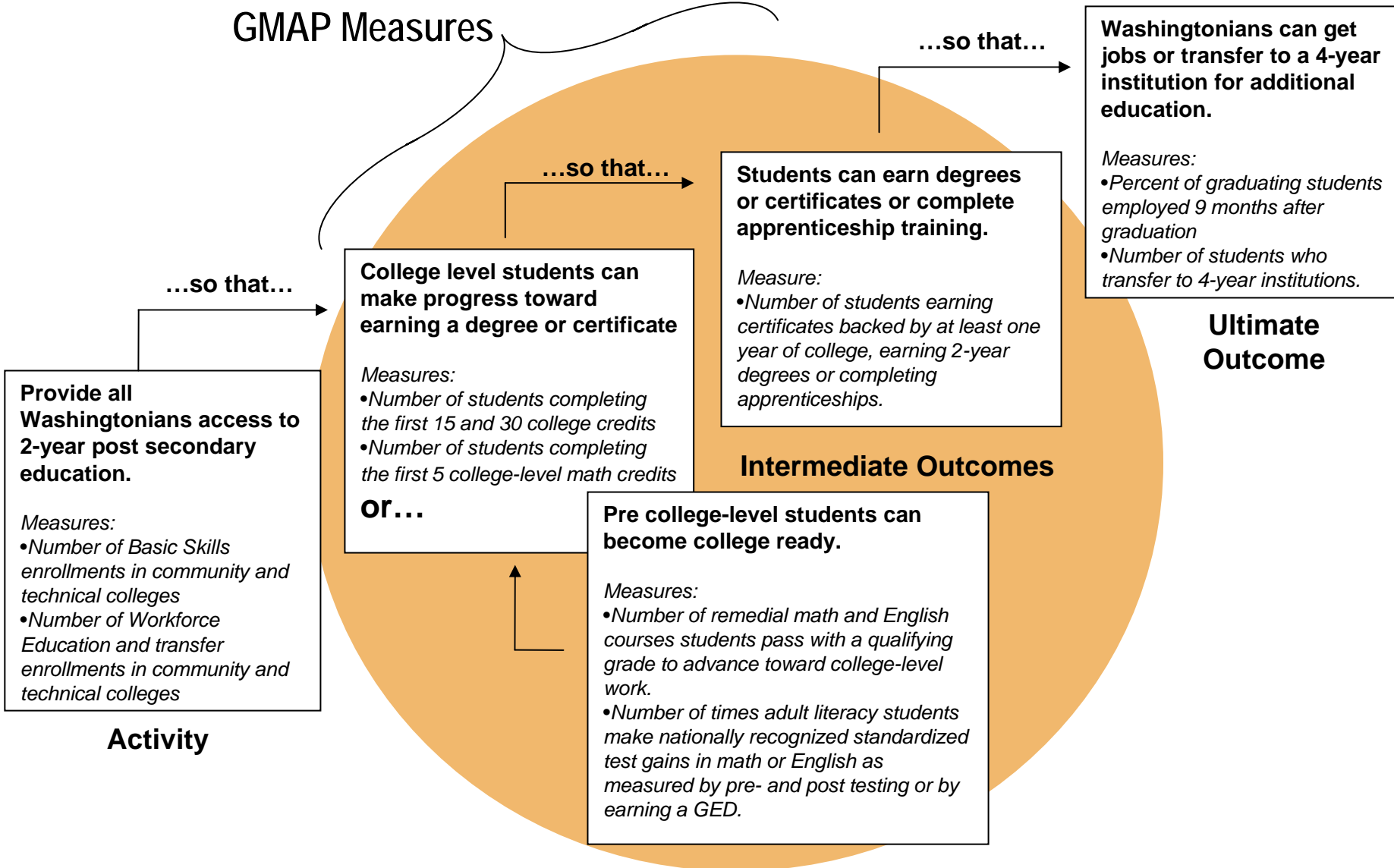
Source: Office of Financial Management

## SBCTC Approves a Student Achievement Initiative to Improve Student Success:

- The Student Achievement Initiative provides financial rewards to colleges when more students achieve important academic milestones.
- Rewards are based on improvements by students in all mission areas.
- Colleges get rewards when students pass critical milestones that research has shown increase student completion or earning potential when passed.
- Colleges must improve total achievement levels each year over the previous highest year to be rewarded (that is, continuous improvement is rewarded).

# Logic Model for Community & Technical College Student Success in Washington

## GMAP Measures



# Increase college student achievement in basic skills

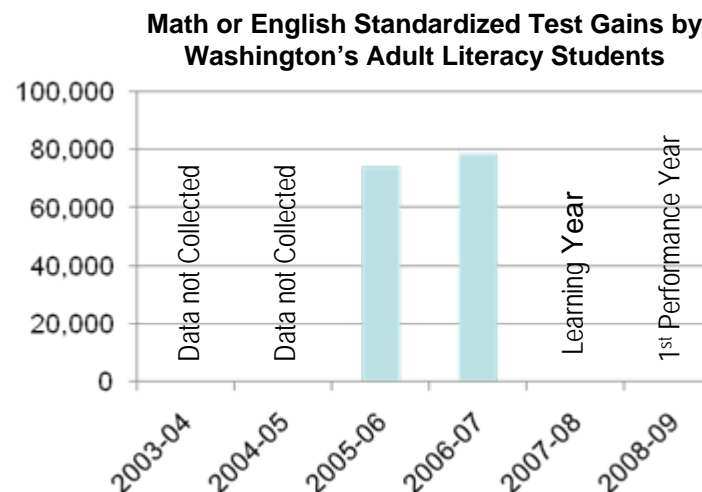


**Measure:** *Number of times adult literacy students make nationally recognized standardized test gains in math or English as measured by pre- and post-testing or by earning a GED.*

**Target:** Continuous Improvement (a system-wide achievement target will be set at the end of 2007-08)

## Analysis:

- Nearly 1/3 of Washington’s working age adults have *at most* a high school education and the need for an educated workforce within the state is accelerating.
- National research found that half of basic skills students drop out before the first term ends (*Alamprese, 2005*).
- SBCTC wants to raise the level of achievement for adult literacy students by helping them make recognized test gains in math and English.



Source: SBCTC Data Warehouse

## Action Plan:

Action	By Whom?	By When?
Provide financial rewards to colleges each year for increasing the number of significant gains made by ABE students on their way to college readiness.	SBCTC <i>Jan Yoshiwara</i>	At the end of each year, beginning in 2008-09
Continue to provide training on data use and grants to colleges to assess, identify, and resolve issues related to adult literacy students’ success using student data.	SBCTC <i>Israel Mendoza</i>	All staff trained by Jan 2007, new staff training and advanced training ongoing.
Continue to provide training on administration of the standardized test (CASAS) used to evaluate adult literacy student progress.	SBCTC <i>Israel Mendoza</i>	All faculty trained by Jan 2007, recertification done annually
Expand programs that integrate basic skills education with workforce education (I-BEST)	SBCTC <i>Tina Bloomer</i>	500 additional FTEs by 2008-09

# Increase college student achievement in prep for college-level coursework

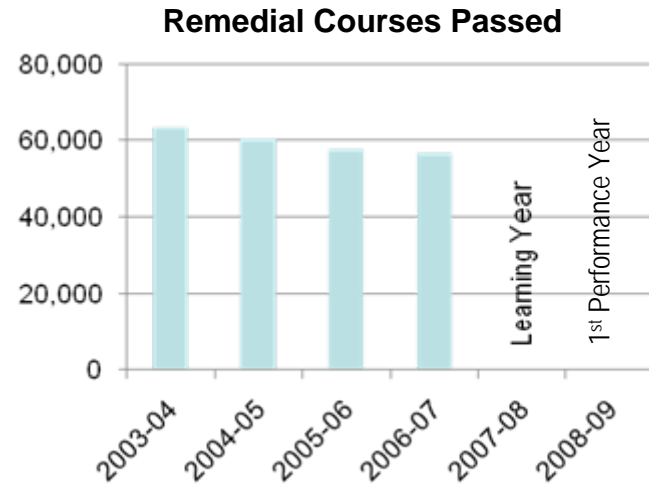


**Measure:** *Number of remedial math and English courses students pass with a qualifying grade to advance toward college-level work.*

**Target:** Continuous Improvement (a system-wide achievement target will be set at the end of 2007-08)

## Analysis:

- More than half of all 2005 Washington high school graduates took remedial math, reading and/or writing at community and technical colleges within one year of graduating.
  - 46% took remedial math (nearly 11,000 students).
  - 17% took remedial writing and 10% took pre-college reading.
- Analysis shows that baccalaureate graduates who took remedial courses graduated at high rates with senior-year GPAs comparable to students who did not take remedial courses, and to students who started at a university.
- SBCTC wants to raise the achievement level of students taking remedial courses so they can be ready for college more quickly.



Source: SBCTC Data Warehouse

## Action Plan:

Action	By Whom?	By When?
Provide financial rewards to colleges each year for increasing the number of remedial math and English course levels made by students each year so they can move more quickly to college-level work. 2007-08 will be a learning year so colleges can use data to make investments to improve student achievement.	SBCTC <i>Jan Yoshiwara</i>	At the end of each year, beginning in 2008-09
Continue to work with the Council of Presidents, OSPI, and HECB to implement the Transition Math Project partnerships aimed at improving high school math curricula to reduce the need for math remediation.	SBCBC <i>Bill Moore</i>	Ongoing—continuing to support 15 college/school district partnerships around the state

# Increase college student achievement through the critical first year

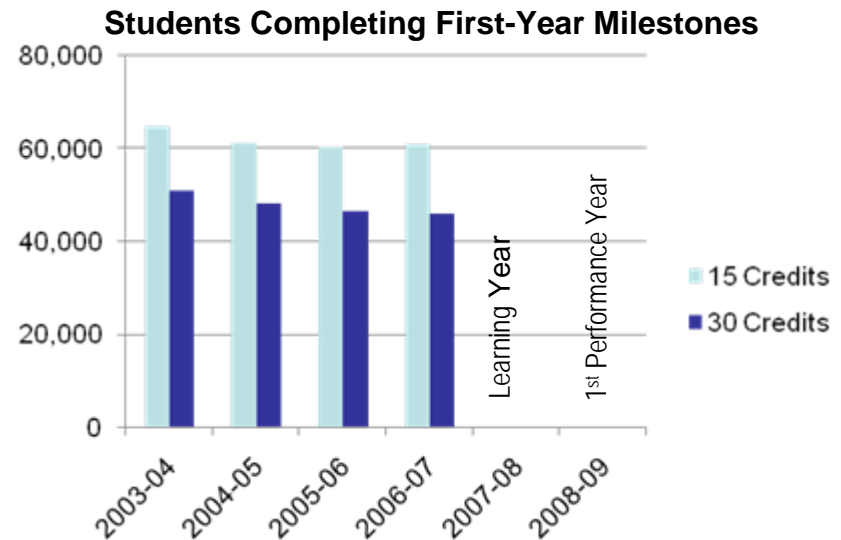


**Measure:** *Number of students completing the first 15 and 30 college-level credits.*

**Target:** Continuous Improvement (a system-wide achievement target will be set at the end of 2007-08)

## Analysis:

- National research confirms that completing the first year of college is critical to students' ultimate success (*Noel-Levitz, 2005 and Prince, 2006*)
- SBCTC research indicates that students have a 50 to 60% chance of completion if they complete 15 college credits within 2 years of entering college, and a 70 to 80% chance of completion if they complete 30 college credits within 2 years (*Prince, 2006*).
- SBCTC wants to raise the achievement level of college students by moving them through their critical first year of college.



Source: SBCTC Data Warehouse

## Action Plan:

Action	By Whom?	By When?
Beginning in 2008-09, SBCTC will provide financial rewards to colleges each year for increasing the number of students accruing their first 15 and 30 credits to be well on their way to completing the critical first year.	SBCTC <i>Jan Yoshiwara</i>	At the end of each year, beginning in 2008-09
Provide funds to colleges for expanded assistance to TRIO-eligible (low-income, first generation or disabled) students to increase their persistence through college.	SBCTC <i>Nani Jackins Park</i>	New allocation, beginning in 2007-08
Implement the Retention Assessment Framework to provide assistance and knowledge on identifying and implementing student retention best practices to meet a specific college's needs	SBCTC <i>Tina Bloomer</i>	Promising practices collected in 2006-07, framework for colleges to self-assess completed by Dec 2008

# Increase college student achievement in college-level math



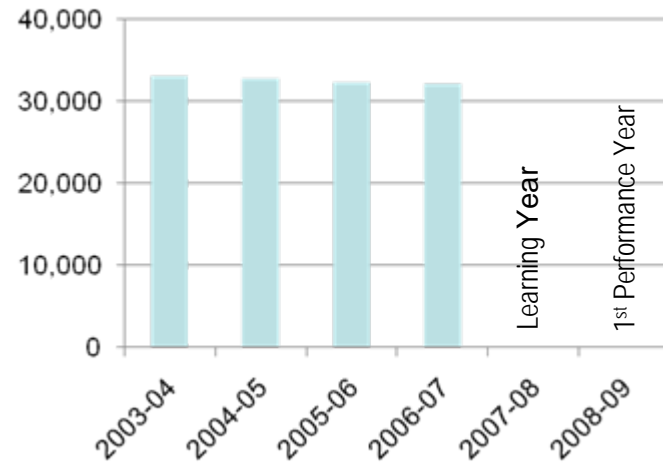
**Measure:** *Number of students completing the first 5 college-level math credits.*

**Target:** Continuous Improvement (a system-wide achievement target will be set at the end of 2007-08)

## Analysis:

- 8 in 10 students who attempt college math pass; however, many delay or avoid the classes (*SBCTC data*).
- National research indicates that completing college math in the first 2 years of college builds momentum toward degree completion (*Adelman, 2006*)
- SBCTC wants to raise the achievement level by increasing the number of students who attempt and pass college-level math.

**Students Completing College Math**



Source: SBCTC Data Warehouse

## Action Plan:

Action	By Whom?	By When?
Provide financial rewards to colleges each year for increasing the number of students completing the first 5 college-level math credits.	SBCTC <i>Jan Yoshiwara</i>	At the end of each year, beginning in 2008-09
Use high demand enrollments to expand college capacity in science, math, and engineering	SBCTC <i>Loretta Seppanen</i>	Additional 600 FTEs by 2008-09

# Increasing college student achievement in gaining degrees and certificates



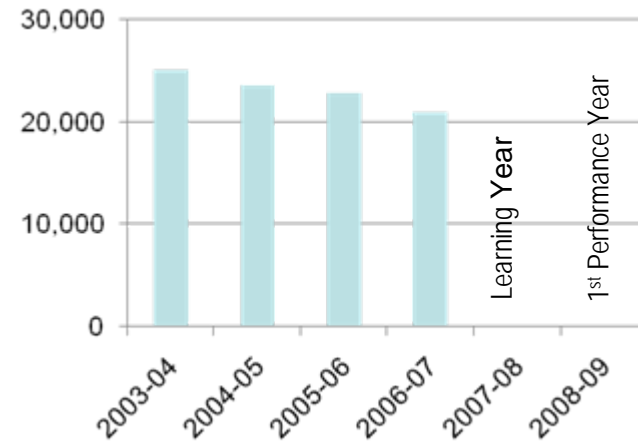
**Measure:** *Number of students earning certificates backed by at least one year of college, earning two-year degrees or completing apprenticeships.*

**Target:** Continuous Improvement (a system-wide achievement target will be set at the end of 2007-08)

## Analysis:

- Research demonstrates that college students experience a substantial boost in earnings gain when they complete *at least* one year of college and a certificate (*Prince, 2005 and Grubb, 2002*).
- Today's fastest-growing occupations require degrees and certificates for employees (*Aspen Institute, 2007 and WA's Joint Report, 2006*)
- SBCTC wants to raise the level of achievement for all students by moving more students to the "tipping point" and beyond, where their potential for increased earnings gain is highest.

**Number of Students Gaining Degrees, Certificates or Certificates**



Source: SBCTC Data Warehouse

## Action Plan:

Action	By Whom?	By When?
Provide financial rewards to colleges each year for increasing the number of students completing degrees, certificates (with 45 credits), or apprenticeships.	SBCTC <i>Jan Yoshiwara</i>	At the end of each year, beginning in 2008-09
Build system-wide online academic advising for college students (Online Advising Requirements Collaborative Project).	SBCTC <i>Cable Green</i>	Development of components' list underway; RFP ready by spring 2008