The National Transformation of Math Pathways for Student Success
APLU/AASCU/NASH; Dana/CCA; TPSE/CBMS

TPSE – Duke regional meeting
December 5, 2015

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Vision

All students desiring public postsecondary education will have options to receive the rigorous mathematics instruction that is most relevant to their chosen programs of study, whether begun at a community college or 4 year institution; and there will be seamless transfer of mathematics credits from 2 year to 4 year institutions.
Mount a national effort … in close collaboration with mathematics faculty… create multiple well-structured math pathways (built on pioneering work by Dana Center)

sense of urgency .. require multi-year efforts .. successful implementation of curriculum and courses and improved teaching

shared definitions and metrics

changes in student outcomes

share outcomes and practices across states, systems and institutions to continuously improve student success and learning of mathematics
500 universities commit to increase degree completion

…pledged to collectively work to increase not just the number of Americans who go to college, but the number who finish and earn a degree. The participating institutions committed to awarding 3.8 million more degrees by 2025 as the public college and university contribution to the national goal of having 60 percent of working age adults in the U.S. possess a post-secondary degree by that time. (est increase from 14.6 million to 18.4 million by 2025)

Multiple projects - -soon to include Math Pathways
• 239 public research universities, land-grant institutions, state university systems, and affiliated organizations

• Agenda/initiatives built on three pillars:
  – increasing degree completion and academic success,
  – advancing scientific research,
  – expanding engagement

• active advocacy works with Congress, the administration, media to advance federal policies that strengthen public universities and benefit the students they serve

• Convene university leadership – presidents, provosts, vice presidents semi annually

• 4.7 million undergraduates, 1.2 million graduate students, award 1.2 million degrees, employ 1.4 million faculty and staff, and conduct $42.7 billion in university-based research